BODING PLASTIC

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Davy Lin

MAIN CATEGORIES

Insulation Materials, Thermal Silicone Pad, PC PP PET Film, PTFE Products, Polycarbonate & Acrylic plate, G10 FR4 CNC Machining Parts, Plastic & Rubber Products

Our ABILITY

Advanced equipment

Mold area

Warehouse district

CONTENT

COMPANY PROFILE

With a history of involving in die cutting industry for over 18+ years,our company has won reputed recognition in domestic and international market. Together with our main advantages such as supplying turnkey service for existing and potential clients,official authorization from branded material suppliers,abundant variety of material classifications,we also make special emphasis on extremely strict quality controlling system internally and high precision for processing. Prompt delivery with amazing fast timing and attractive price rates enable us to become top class vendor among all worldwide manufacturers.

2004 Manufacturer established

2009 Making OEM/ODM for domestic and abroad market

2012 Product sales to South Korea

2013 Production area expanded to 2300 square meters

2015 ISO 9001:2015 Certified

2014-2017 Total Annual Revenue: US$2.5 Million - US$5 Million

2017-2018 Products for the world

2019 .....

OUR OFFICE

CERTIFICATIONS

QUALITY ASSURED FIRM ISO 9001 CQC

UL

SYSTEM CERTIFICATION ISO 9001 SGS

Table1.typical Mechanical Properties of DuPont™Nomex410

Property	Nominal Thickness,mm(mil)											Test Method
	0.05(2)	0.08(3)	0.10(4)	0.13(5)	0.18(7)	0.25(10)	0.30(12)	0.38(15)	0.51(20)	0.61(24)	0.076(30)	
Typical thickness, mm mil	0.05 2.2	0.08 3.1	0.11 4.2	0.13 5.2	0.18 7.2	0.26 10.2	0.31 12.2	0.39 15.3	0.52 20.4	0.61 24.2	0.78 30.6	ASTM D374[1]
Basis Weight,g/m²	41	64	88	115	174	249	310	395	549	692	839	ASTM D646
Density,g/cc	0.81	0.81	0.83	0.88	0.95	0.96	1.00	1.02	1.06	1.13	1.08	
Tensile Strength,N/cm MD XD	43 19	68 34	93 49	141 71	227 116	296 161	380 185	462 252	610 374	728 500	816 592	ASTM D828
Elongating,% MD XD	10 7	12 9	12 9	16 13	20 15	22 18	23 18	22 16	23 18	21 16	21 17	ASTM D828
Elmendorf Tear,N MD XD	0.8 1.5	1.2 2.4	1.9 4.4	2.3 4.8	3.7 7.2	5.6 10.6	7.1 13.7	9.0 16.7	14.3 24.8	N/A N/A	N/A N/A	TAPPI 414
Initial Tear Strength,N MD XD	11 6	16 9	24 14	31 17	48 27	69 42	88 55	110 71	158 114	191 153	233 193	ASTM D1004[2]
Shrinkage at 300℃，% MD XD	1.8 0.0	0.8 0.0	0.4 0.0	0.4 0.0	0.5 0.1	0.2 0.0	0.2 0.1	0.2 0.1	0.0 0.0	0.0 0.0	0.0 0.0	

MD = Machine Direction; XD = Cross Direction
1. Method D; using 17 N/cm².
2. Data presented for initial tear strength is listed in the direction of the sample per ASTM D1004. The tear is 90 degrees to sample direction; hence, for papers with a higher reported machine direction initial tear strength, the paper will be tougher to tear in the cross direction.

DuPont™Nomex® is an aromatic polyamide fibre product, which has a high level of electrical,chemical and mechanical properties, making it ideal for all kinds of electrical insulation field.Proper use of Nomex products can extend the life of electrical equipment to reduce the number of premature damage and repair.

For over 40 years, Nomex® thermal technology has performed in the most demanding electrical applications helping to solidify DuPont's position as a global leader in UL-recognized Electrical Insulation Systems.

Nomex® 410 i s a family of insulation and resilience. Nomex® 410, the original form of Nomex® paper, is widely u sed in a majority of electrical equipment applications. Available in 11 thicknesses ranging from 0.05 mm to 0.76 mm (2 mil to 30 mil), Nomex® 410 is used in almost every known electrical sheet insulation application.

Features

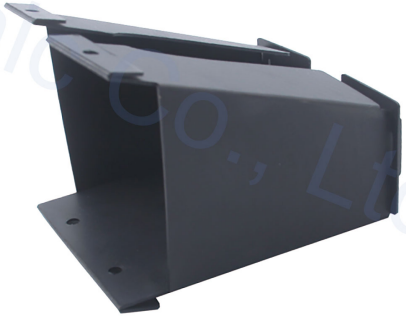
- •Moisture insensitivity
- •Thermal stability
- •Cryogenic capabilities
- •Inherent dielectric strength
- •Flame retardant
- •Nontoxic
- •Chemical compatibility
- •Radiation resistance
- •Mechanical toughness

Manufacturing Specification | Mechanical Properties | Physical Properties | Electrical Properties | Packaging Information

TEST METHOD	GK-5	GK-10	GK-17
COLOR	BLACK	NATURAL & BLACK	NATURAL & BLACK
THICKNESS (IN)	0.005 ± 0.001	0.010 + 0.003/-0.0015	0.017 + 0.003/0.001
THICKNESS (MM)	0.127 ± .025	0.25 + 0.08/-0.04	0.43 + 0.08/-0.03

TEST METHOD	GK-30	GK-40	GK-62
COLOR	NATURAL & BLACK	NATURAL & BLACK	NATURAL & BLACK
THICKNESS (IN)	0.030 ± .002	0.040 ± 0.002	0.062 ± 0.004
THICKNESS (MM)	0.76 ± 0.05	1.02 ± 0.05	1.57 ± 0.10

Note: Above sizes are standard; custom sizes also available.



Formex™ GK, the market proven formulation of flame retardant polypropylene electrical insulation material from ITW Formex®, offers exceptional reliability and durability for a variety of industrial and consumer product applications. It offers superior dielectric strength, an elevated temperature rating, and exceptional moisture and chemical resistance to protect sensitive electronic elements from dielectric or environmental damage. It can also be used as a physical barrier that protects general users or service workers from the dangers of exposure to electrically charged components. In addition, Formex™ GK can easily be scored and folded into three-dimensional shapes, making it a highly versatile product that substantially reduces the costs associated with, fabricating, warehousing and shipping.

MAJOR INDUSTRIES

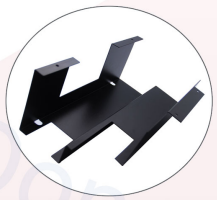
- •Electrical Vehicles (EV)
- •Solar Ene rgy (PV)
- •Non EV Automotive
- •Cloud Data Centers
- •Industrial Controls
- •LED Lighting
- •Electrical Power Distribution
- •Consumer Electronics
- •Major Appliances
- •Medical Electronics
- •Information Technology
- •Telecommunications

Property	Item	Test Method	Unit	Standard Value
Physical Performance	Density	ASTM D792	g / cm³	1.2
	Absorption Rate,24hrs	ASTM D570	%	<0.35
Mechanical Performance	Tensile Strength	ASTM D882 ISO527	psi MPa	7500 52
	Tensile Elongation at Break	ASTM D882	%	100
	Impact Strength(0.75mm)	ASTM D3029 ISO 6603-1	ft-lb J	11 28
	Tear Strength propagation	ASTM D1922	g / mil	>30
Thermal Performance	Vicat Softening Temperature	ASTM D1525	℃	135
	Shrinkage at 135℃	ASTM D1204	%	≤1.0
Electrical Performance	Dielectric Strength（0.25mm）	ASTM D149	V / mil	1350
	Volume Resistivity 25℃,50%RH	ASTM D257	Ω	$>1.0\times10^{15}$
	Volume Resistivity 25℃,50%RH	ASTM D257	Ω·cm	$>1.0\times10^{16}$
UL Flammability	Film thickness ≥0.25 mm	UL BULLETIN 94	UL94	V-0
	Film thickness <0.25 mm			VTM-0

	UNITS	LIMITS
Gauge Variation	%	0.05mm(0.010″) ±20% 0.075mm(0.010″) ±15% 0.1mm(0.010″) ±15% 0.125~0.25mm(0.010″) ±10% >0.25mm (0.010″) ±5%
	mm	±2

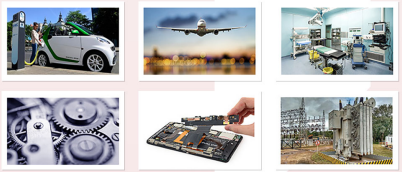
Note:The above figures are typical values obtained under standard methods should not be construed as guaranteed data under unsteady application conditions

Polycarbonates (PC) are a group of thermoplastic polymers containing carbonate groups in their chemical structures. Polycarbonates used in engineering are strong, tough materials,and some grades are optically transparent. They are easily worked, molded, and thermoformed. Because of theseproperties, polycarbonates find many applications.



PC insulating sheet,, in black, white, transparent and other colors, thickness is generally between 0.125mm ~ 1.5mm! PC plate (polycarbonate), also known shatterproof glass, is a comprehensive performance excellent engineering plastics, has outstanding physical, mechanical, electrical and thermal properties, so it has the "king of plastic" reputation.

Applications



Main Feature:

1. Paste, fixed, conductive shielding, conductive shielding, insulation.
2. Fire, flame, shock buffer, dustproof, anti-skid.
3. Backlit, high temperature, corrosion, sealing, protection
4. Spraying shelter, insulation, noise, filtering.
5. Customers may require professional precision die-processed into a variety of shapes.

Lexan* FR700 Film — **Product Datasheet**

Property	ASTM Test Method	Units (USCS)	Value	ISO Test Method	Units (USCS)	Value
Electrical						
Dielectric Strength in oil, short time @ 72°F (23°C), 10 mils (0.25mm)	ASTM D 149-97a Method A	kV/mil	1.5	IEC 60243	kV/mm	59
Dielectric Constant						
@ 60 Hz	ASTM D150	-	2.9	IEC 60250	-	2.9
@1,000,000 Hz	ASTM D150	-	2.8	IEC 60250	-	2.8
Dissipation Factor						
@ 60 Hz	ASTM D150	-	0.0026	IEC 60250	-	0.0026
@1,000,000 Hz	ASTM D150	-	0.0117	IEC 60250	-	0.0117
Volume Resistivity	ASTM D257	Ω-cm	1.00E+17	IEC 60093	Ω-cm	1.00E+17
Surface Resistivity	ASTM D257	Ω/square	1.00E+16	IEC 60093	Ω/square	1.00E+16
Arc Resistance, Tungsten Electrodes	ASTM D495	s	64			

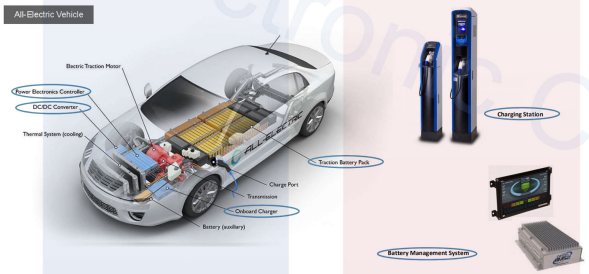
Lexan FR700 is a black, one side fine matt, one side velvet flame-retardant polycarbonate film with a UL94 V-0 listing at 0.250 mm. This film has formability, excellent mechanical properties, good dimensional stability at high temperatures and a high flammability rating, making it good for applications such as power supply insulation, disc drive insulation, bus-bar insulation, TV/monitor insulation, PC board insulation, business equipment insulation and has insulation and EMI/RFI shielding when laminated with metal foil.

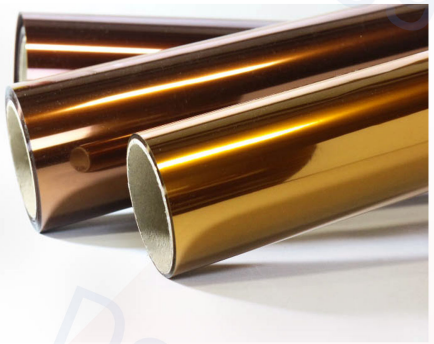
Features

·Formability
·Excellent mechanical properties
·Good dimensional stability at high temperatures
·High flammability rating

Applications

·Power supply insulation
·Disc drive insulation
·Bus-bar insulation
·TV/monitor insulation
·PC board insulation
·Business equipment insulation





PHYSICAL PROPERTIES OF KAPTON® HN

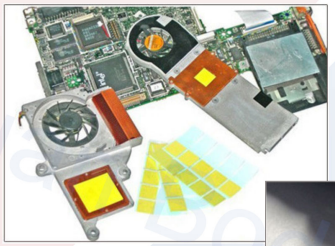
PROPERTY	1 MIL	2 MIL	3 MIL	5 MIL	TEST METHOD
Ultimate Tensile Strength at 73°F, Mpa	231	231	231	231	ASTM D-882-91, Method A*
Ultimate Tensile Strength at 392°F, Mpa	139	139	139	139	ASTM D-882-91, Method A*
Ultimate Elongation at 73°F, %	72	82	82	82	ASTM D-882-91, Method A
Ultimate Elongation at 392°F, %	83	83	83	83	ASTM D-882-91, Method A
Density, g/cc	1.42	1.42	1.42	1.42	ASTM D-1505-90
Tensile Modulus at 73°F, GPa	2.5	2.5	2.5	2.5	ASTM D-882-91, Method A
Tensile Modulus at 392°F, GPa	2.0	2.0	2.0	2.0	ASTM D-882-91, Method A

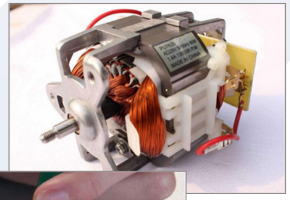
Kapton® HN is the recommended choice for applications that require an all-polyimide film with an excellent balance of properties over a wide range of temperatures.

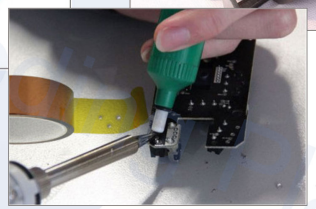
Kapton® HN has been used successfully in applications at temperatures as low as -269°C (-452°F) and as high as 400°C (752°F). Kapton® HN film can be laminated, metallized, punched, formed or adhesive coated.

Applications include:

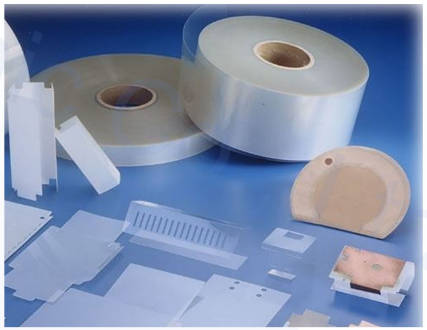
·Mechanical parts
·Electronic parts
·Electrical Insulation
·Pres sure sensitive tape
·Fiber optics cable
·Insulation blankets
·Insulation tubing
·Automotive diaphragms sensors and manifolds
·Etching
·Shims



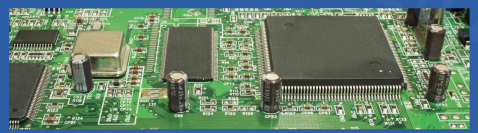




	Unit	Mylar® A											
Mechanical													
total thickness	µm	19	23	36	50	75	100	125	190	250	300	350	500
Tensile strength longitudinal	N/mm²	210	210	230	190	190	190	180	190	190	190	190	150
Tensile strength transversal	N/mm²	230	230	260	210	200	200	200	220	200	200	190	170
Elongation at break longitudinal	%	110	130	130	140	140	150	150	190	210	210	240	270
Elongation at break transversal	%	110	110	110	120	120	120	130	140	170	180	200	240
Shrinkage (30 min at 150 °C) longitudinal	%	1,3	1,3	2	1,2	1,1	1,1	1,1	1,3	1,3	1,3	1,3	0,9
Shrinkage (30 min at 150 °C) transversal	%	1	1	1,7	1,1	1	1	1	1,3	1,3	1,3	1,3	0,9
Shrinkage (30 min at 200 °C) longitudinal	%	4	4	7	2,8	2,5	2,5	2,5	3,5	3,5	3,5	3,5	2,0
Shrinkage (30 min at 200 °C) transversal	%	3	3	6,5	2,5	2,3	2,3	2,3	3,3	3,3	3,5	3,3	1,7



Mylar® A is a grade of DuPont's trade name for polyester film. Mylar® is a tough, flexible, general-purpose film that has a rough surface to provide ease of handling, good adhesion, and processability. Mylar® A has balanced tensile properties and excellent resistance to moisture and most chemicals. It can withstand a broad temperature range (-100° F to 300° F) and does not become brittle under normal conditions because it contains no plasticizers. Its excellent electrical properties and performance capabilities make Mylar® A ideal for use in electrical applications, electronics, industrial specialty, and graphics markets.

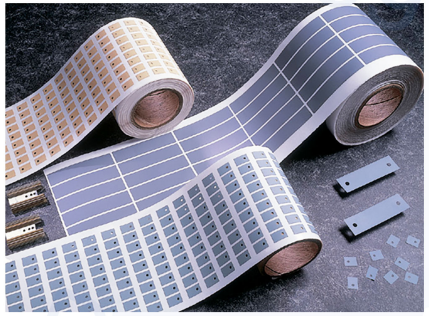


Application

·Membrane switches
·Electrical insulators
·Control tape
·Test strips
·Window films
·InkJet printing
·Carbon ribbon
·Metalized base
·Pressure sensitive labels
·Protective surfacing

Properties

·Tough and durable
·Flexible
·Tear resistant
·Excellent dimensional stability
·Excellent electrical properties
·Resistant to moisture and most chemicals
·Not brittle under normal conditions
·Provides good adhesion and process-ability



Typical properties of SIL-PAD 1100ST (Soft Tack)

Properties	Imperial Value	Metric Value	Test Method
Reinforcement Carrier	Fiberglass	Fiberglass	***
Color	Yellow	Yellow	Visual
Inherent Surface Tack	2	2	***
Hardness (Bulk Rubber) (Shore 00) [1]	85	85	ASTM D2240
Typical Use Temp (°F) / (°C)	-76 to 356	-60 to 180	***
Thickness (inch) / (mm)	0.012	0.305	ASTM D374
Breaking Strength (lbs/inch) / (kN/m)	2.6	0.5	ASTM D1458
Elongation (%45° to Warp and Fill)	16	16	ASTM D412
Tensile Strength (psi) / (MPa)	220	1.5	ASTM D412
Electrical	**Imperial Value**	**Metric Value**	**Test Method**
Dielectric Breakdown Voltage (Vac)	5000	5000	ASTM D149
Dielectric Constant (1000 Hz)	5.0	5.0	ASTM D150
Volume Resistivity (Ohm-meter)	10^10	10^10	ASTM D257
Flame Rating	V-0	V-0	U.L. 94
Thermal	**Imperial Value**	**Metric Value**	**Test Method**
Thermal Conductivity (W/m-K)	1.1	1.1	ASTM D5470
Pressure (psi)	**10**	**25**	**50**	**100**	**200**
TO-220 Thermal Performance (°C/W)	2.72	2.71	2.68	2.62	2.23
Thermal Impedance (°C-in2/W)	0.75	0.71	0.66		

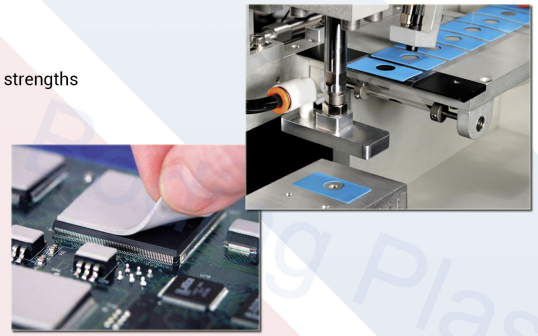
Electrically and non-electrically insulating thermal materials for cleaner and more efficient thermal interfaces.

In their many forms, SIL PAD thermally conductive insulators continue to be a clean and efficient alternative to mica, ceramics or grease for a wide range of electronic applications. BERGQUIST brand application specialists work closely with customers to specify the proper SIL PAD material for each unique thermal management requirement. The combination of a tough carrier material such as fiberglass and silicone rubber which is conformable, provides the engineer with a more versatile material.

Features

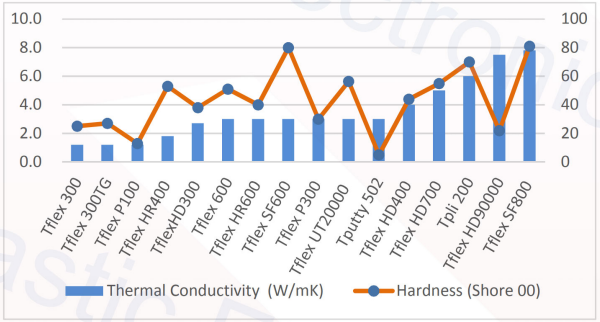
The SIL PAD family encompasses dozens of products, each with its own unique construction, properties and performance, including:

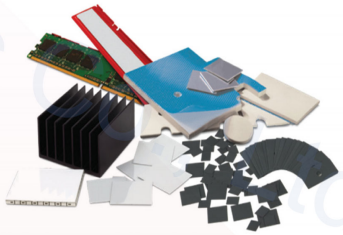
·Proven silicone rubber binders
·Fiberglass, dielectric film or polyester film carriers
·Special fillers to achieve specific performance characteristics
·Flexible and conformable
·Reinforcements to resist cut-through
·Variety of thicknesses
·Wide range of thermal conductivities and dielectric strengths



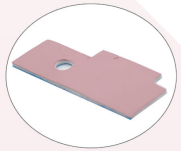
Applications and Industries

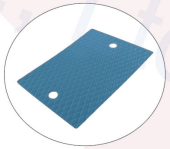
·Automotive Electronics
·Semiconductors
·Power and Industrial Automation
·Consumer Electronics
·Telecommunications
·Aerospace
·Medical Devices
·Industrial Controls





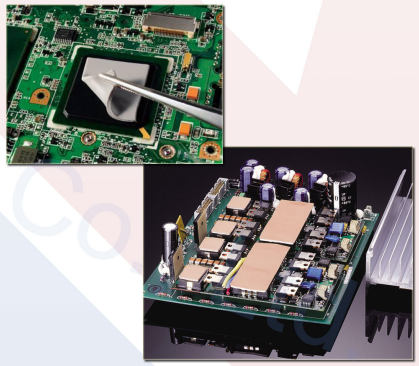
Laird dispensable gap fillers are used to bridge the interfacebetween hot components and a chassis or heat sink assembly when elimination of mechanical stress or bulk automated dispensing are critical design considerations. These materials can be dispensed to fill large and uneven gaps in assemblies and due to their super compliant nature; little to no pressure is transferred between interfaces. Laird's dispensing product portfolio includes both one and two-part materials, as well as products specifically designed for vertical stability and consistent dispensing.

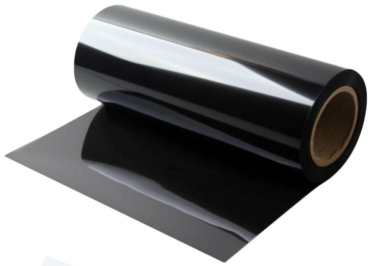




APPLICATIONS

• Telecom – wireless infrastructure, routers, and VOIP phones
• IT – notebooks, servers, memory modules, hard disk drives, solid state drives, scanners, and printers
• Consumer – gaming systems, LCD PDP televisions, and displays
• Industrial – LED lighting, power supplies, lighting ballasts, controllers, scanners, and power converters
• Aerospace and military – power supplies, microwave radio, and controllers





Test items	Methods	unit	value
Color	Visual		black
Material			natural graphite
Thickness	ASTM D374	Mm	0.03-2.0
Specific Gravity	ASTM D792	g/cm	1.5-1.8
Continuous use temp	EN344	℃	-40~+400
Tensil Strength	ASTM F-152	4900kpa	715PS
Volume Resistivity	ASTM D257	Ω/CM	3.0*10
Hardness	ASTM D2240	Shore A	⩾80
Flame Rating	UL 94		V-0
Thermal conductivity (vertical direction)	ASTM D5470	w/m-k	20
Thermal conductivity (horizontal direction)	ASTM D5470	w/m-k	1000

Product description

Heat-conducting graphite sheet is a new heat-conducting heat-dissipating material with unique grain orientation and uniform heat conduction in two directions. The layered structure can be well adapted to any surface and shields heat source and components. Improve the performance of consumer electronics. The product evenly dissipates heat while providing thermal isolation in terms of thickness.

Application

Widely used in PDP, LCD TV, Notebook PC, UMPC, Flat Panel Display, MPU, Projector, Power Supply, LED and other electronic products graphite heat sink materials.

Features: The surface can be combined with other materials such as metal, plastic, stickers to meet more design functions and needs.

Low thermal resistance: Thermal resistance is 40% lower than aluminum and 20% lower than copper.light weight: 25% lighter than aluminum and 75% lighter than copper.

High thermal conductivity: The graphite heat sink can be smoothly attached to any flat and curved surface and can be cut in any form according to customer's requirements.

Test items	Methods	unit	value
Color	Visual		black
Material			natural graphite
Thickness	ASTM D374	Mm	0.03-2.0
Specific Gravity	ASTM D792	g/cm	1.5-1.8
Continuous use temp	EN344	℃	-40~+400
Tensil Strength	ASTM F-152	4900kpa	715PS
Volume Resistivity	ASTM D257	Ω/CM	3.0*10
Hardness	ASTM D2240	Shore A	⩾80
Flame Rating	UL 94		V-0
Thermal conductivity (vertical direction)	ASTM D5470	w/m-k	20
Thermal conductivity (horizontal direction)	ASTM D5470	w/m-k	1000

Performance characteristics:

◆ High hardness ◆ Excellent wear resistance ◆ Light weight ◆ Wide range of applications

Features:

Physical properties: high insulation, electrical breakdown resistance, high temperature resistance, wear resistance, high strength (three meters high altitude drop not broken)

Fire rating: US military standard MIL-F-51058 (highest level)

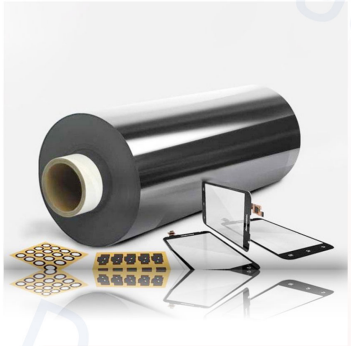
Typical applications: high current, high voltage, high temperature parts, IC MOS tube, IGBT, etc.

Certification status: natural organic matter, EU exempted products, no certified materials

Thermal conductivity: pressure and temperature resistance: ideal thermal insulation material for high-voltage high-frequency equipment below 1600 °

Application:

Alumina ceramic sheets are mainly used in high-power equipment, IC MOS tubes, IGBT chip-type thermal insulation, high-frequency power supply, communication, mechanical equipment, high-current, high-voltage, high-temperature and other products that require thermal conduction and thermal insulation.



PROPERTY	TEST METHOD	VALUE	
PHYSICAL			
Density, kg/m³ (lb. / ft³)	ASTM D 3574-95, Test A	320 (20)	400 (25)
Tolerance, %		± 10	
Thickness, mm (inches)		0.79 – 2.36 (0.031 - 0.095)	0.53 – 1.19 (0.021 - 0.047)
Thickness Tolerance Foam Thickness >0.79mm (0.031") % Foam Thickness ≤0.79mm (0.031")		± 10 -	± 15 0.08 (0.003)
Standard Color (Code)		Black (04)	
Compression Force Deflection, kPa (psi) Typical kPa (psi)	0.51 cm/min (0.2" / min). Strain Rate Force Measured @ 25% Deflection	21 - 55 (3 – 8) 34 (5.0)	35 - 83 (5 – 12) 58 (8.4)
Hardness, Durometer, Shore "O"	ASTM D 2240-97	8	16
Compression Set, % max.	ASTM D 3574-95 Test D @ 23°C (73°F) ASTM D 3574-95 Test D @ 70°C (158°F) ASTM D 3574-95 Test J/Test D autoclaved 5 hrs @ 121°C (250°F)	4 10 -	
Dimensional Stability, % max. change	22 hrs @ 80°C (176°F) in a forced-air oven	-	
Tensile Strength, kPa (psi), min Typical kPa (psi)	ASTM D 3574-75 Test E	-	
Tensile Elongation, % min., Typical	ASTM D 3574-75 Test E	-	
Tear Strength, kN/m (pli), min Typical kN/m (pli)	ASTM D 264-91 Die C	-	
ELECTRICAL AND THERMAL			
Dielectric Constant, K' ("DK")	ASTM D 150 measurements at 22°C (72°F) relative humidity 50% for 24 hrs.	1.75	
Dielectric Strength, kV/m (volts/mil)	ASTM D 149-97a	1969 (50)	
Dissipation Factor, tan D ("DF")	ASTM D 150-98	0.05	
Volume Resistivity, ohm-cm (ohm-in)	ASTM D 257-99	3.1 x 10^{11} (1.22 x 10^{11})	
Surface Resistivity, ohm/sq.	ASTM D 257-99	5.9 x 10^{11}	
Thermal Conductivity, W/m-C (BTU-in./hr/ft²-F)	ASTM C 518-98	0.076 (0.53)	-
Coefficient of Thermal Expansion		2.3 - 3.1 x 10^{-4} in/in/°C (1.3-1.7 x 10^{-4}in/in/°F)	

Features

·Excellent compression set resistance which enables durable, long-term performance for gasketing, sealing, and cushioning.

·Low-outgassing and non-fogging, containing no plasticizers or residual chemicals to contaminate the device. The material will not become brittle and crumble and is non-corrosive to metal.

·Inherently flame retardant without the use of additives. Many of the materials meet flammability requirements of UL94 HBF and MVSS 302.

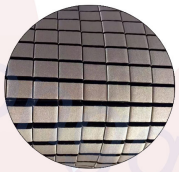
·Optional tacky surface product construction

·Engineered polyurethane formulations offering a wide modulus range - 2-90 psi @ 25% deflection – for more design versatility requirements.

·Good chemical resistance

·Easy to fabricate, die-cuts cleanly and works with a broad range of adhesives

·Broad range of formulas and thicknesses from 0.012" to 0.500" (0.43 mm to 12.7 mm)



Application

communications

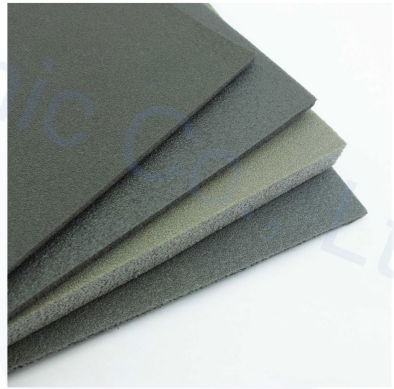
automotive

electronics

other industrial equipment and devices

Property (ASTH D 3575)	1.2 LB	1.7 LB	2.2 LB	4.0 LB	6.0 LB	9.0 LB
Density (LB/Cubic Ft.)	1.2	1.7	2.2	4.0	6.0	9.0
Color	Green	White, Charcoal, Blue, Pink*	White, Charcoal	White	White	White
Cell Count (cells/inch)	18	20	24	30	30	30
Compressive Strength (LB/in. Sq.) 25% 50%	7 12	7 14	8 14.5	16.5 20	28 39.5	46 66
Compression Set (%) 2 hours 24 hour	30 24	21 16	22 16	9 6	10 7	20 11
Compression Creep (%)	5	6	6	0.8	0.8	0.8
Water Absorption (LB /Sq.Ft.)	0.06	0.06	0.04	0.02	0.02	0.05
Thermal Stability (%)	<2	<2	<2	<2	<2	<2
Service Temperature °F	-30 to 180	-30 to 180	-30 to 180	-30 to 180	-30 to 180	-30 to 180
R-Value (1 inch)	N/A	N/A	3.2	N/A	3.7	4
Contains Fire Retardant Additives	No	No	No	No	No	No

Pink 1.7LB Polyethylene is Anti-Static and meets these specifications:
Electrostatic Decay (EIA 541): Less than 2.0 seconds
Surface Resistivity (EIA 541): >1.00 x 10^{-5} <1.00 x 10^{-12} Ohms



DESCRIPTION

PE foam is a chemically cross-linked polyethylene foam bonded with fire retardant and waterproof properties which is environmental-safe, occupational-safe and work-friendly. It has superior low heat transfer coefficient, stable, durable and weather-resistance physical properties that deemed it an excellent insulation material with a wide range of applications.

Examples of PE foam applications are:

Hot and cold water piping, air-conditioning duct insulation, sound proofing, automotive industry, shoe industry, marine industry, garment industry, water activities, sports, medical care, machinery, carpet underlay, construction, construction tunnel waterproofing, construction glazing and door trims.

Details

·Closed-cell, chemically cross-linked foam

·Lightweight

·Shatterproof

·Cost-effective

·Non-dusting

·Excellent buoyancy

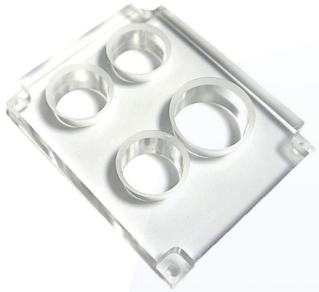
·Superb strength and tear resistance

·High shock absorption

·Flexibility

·Impervious to mildew, mold, rot, and bacteria

Superior chemical and grease resistance



Product Name: Polycarbonate board

Detailed introduction:

PC (polycarbonate) has high mechanical strength and high impact toughness and high conversion temperature, as well as heat resistance and deformation resistance, operating tem-perature range from minus 50 degrees to 125 degrees.

Features:

high mechanical strength, good creep resistance, very high impact strength even at low temperatures; rigid retention in a wide temperature range; energy ray, good electrical insulation, very good size Stability, translucency, suitable for contact with food.

Applications:

Instrument inspection discs, piping systems, insurance glass, writing pads, slideprojector components, widely used in machinery, electronics, automotive, construction, daily necessities, etc., and is rapidly expanding to aviation, aerospace, electronic computers, optical discs , fiber optics and many other high-tech fields.

Introduction:

Polypropylene sheet, copolymer type PP material has lower heat distortion temperature (100 ° C), low transparency, low gloss, low rigidity, but has stronger impact strength. The strength of PP in-creases as the ethylene content increases. The Vicat softening temperature of PP is 150 °C. Due to the high degree of crystallinity, this material has excellent surface stiffness and scratch resistance. There is no environmental stress cracking problem in PP. Typically, PP is modified by the addition of glass fibers, metal additives or thermoplastic rubber.

Application range:

Acid and alkali resistant equipment, electroplating equipment, solar photovoltaic equipment, environmental protection equipment, waste water, exhaust gas discharge equipment, washing towers, clean rooms, semiconductor plants and related industrial equipment, is also the preferred material for the manufacture of plastic water tanks, of which PP thick plates Widely used in stamping plates, punching mattress boards, etc.

Introduction:

PTFE skived Sheet is manufactured by technique of compacting, sintering, rotary cutting with PTFE granular resin. It has good dielectric performance and non-aging, best anti chemistry corrosion ability and wide applying intension range.

Application:

PTFE molded sheet is manufactured by molding process with PTFE regular resin and sintering. It is very suitable for seals, lining, diaphragm, spacer guide and bearing pad for bridge.

Product introduction

Epoxy Glassfiber Cloth Sheet FR4 mechanical properties laminate board datasheet pcb base. Epoxy resins are among the most versatile and widely used plastics in the electronics field, primarily because water absorption is virtually nil, rendering it an outstanding insulator.

Application:

1. Voltage Transformer Spacer
2. Printed Circuit Board(PCB)
3. Electric and electronic field

Properties:

1.temperature grade:Fglass (155C) 2.Higher mechanical properties, 3.Good heat/Moisture resistance .
4.Stable electric performance in high temperature. 5.Good flatness, smooth surface,no pits

Product introduction

The GPO-3 laminate is a hard plate-shaped insulating material which is obtained by impregnating an alkali-free glass fiber felt with anunsaturated polyester resin paste and adding a corresponding additive by hot pressing. GPO-3 laminates perform well in electrical applications that require high arc and carbon track resistance as well as flame retardancy, physical strength and moderate heat resistance.

Application

GPO-3 grade laminates are widely used in the manufacture of phase and end barriers in switchgear and other types of electrical equipment, insulation supports, busbar supports and mounting plates.

Product introduction

Polyoxymethylene is extruded at a high temperature by an extruder using POM plastic particles, and extruded through a corresponding die to obtain sheets of different thicknesses. It is a high melting point, high crystalline thermoplastic engineering plastic. Due to the good characteristics of the POM board, it is very suitable for machining on automatic lathes, especially for the manufacture of precision parts.

Application

POM is widely used in the manufacture of various sliding rotating machines, precision parts, gears, bearings and the like. The use of the industry is in the fields of automobiles, electronics, clothing, medical, machinery, sports equipment and so on.