



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

The Gund Company, Inc
St. Louis, Missouri – USA

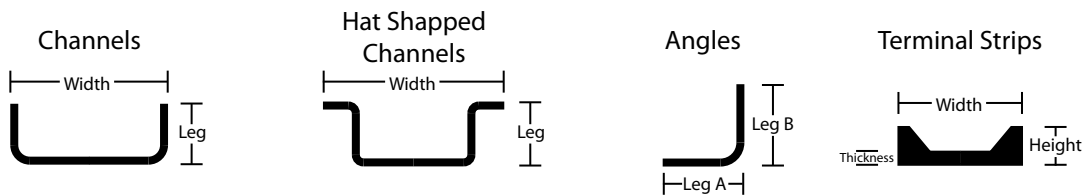
TEL - 314.423.5200
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MATERIAL DATA SHEET

Item: NEMA Grade GPO-3, Glass Polyester Laminate Angles & Channels

Description: NEMA Grade GPO-3 Angles and Channels are molded composite shapes that offer the designer choices of structural insulating members whose characteristics combine good electrical properties, high strength to weight ratio, and flame and track resistance.

Availability: Fabricated Parts: The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers



Channels

Part No.	Width	Leg	Thickness
2875	2"	9/16"	1/8"
2617	2"	13/16"	1/8"
1144	2"	1"	1/4"
3242009	2"	7/8"	1/4"
3232010	2"	1"	3/16"
2212	2-5/16"	3/4"	1/8"
1177	2-9/16"	1-7/32"	1/8"
1166	3"	7/8"	1/4"
2888	3"	1-1/2"	1/4"
1939	3-9/16"	2-9/16"	3/16"
1791	3-19/32"	1-1/8"	1/8"
1155	4"	1-1/8"	1/4"
2242	4"	1-3/8"	3/16"
1940	4-9/16"	2-9/16"	9/32"
1788	4-3/4"	1-5/8"	3/16"
2825	5-1/2"	1-1/4"	5/32"
2288	6-3/8"	2"	9/32"
1844	8-1/2"	2-11/16"	3/16"
1936	9-21/32"	1-5/8"	1/8"
2250	11-9/32"	1-5/8"	3/8"
2120	11-1/2"	1-7/16"	5/32"

Hat Shaped Channels

Part No.	Width	Leg	Thickness
1161	4-19/32"	7/8"	1/8"
2091	5"	1-3/8"	1/8"
1272	9-9/16"	2-3/8"	3/16"

Equal Leg Angles

Part No.	Legs (A & B)	Thickness
2878	1"	1/8"
2880	1-1/2"	1/8"
2881	1-1/2"	3/16"
2882	1-1/2"	1/4"
2884	2"	1/4"
2885	3"	1/4"

Unequal Leg Angles

Part No.	Leg A	Leg B	Thickness
2877	2-3/4"	2"	1/4"
3133716	3-3/4"	1-5/8"	3/16"

Terminal Strips

Part No.	Width	Height	Thickness
2710	7/16"	1-1/2"	1/4"

All of the information, suggestions, and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.



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Key Characteristics	Test Method	Units - English (SI)	Typical Values
Standard Color	--	--	Red
Tensile Strength	ASTM D-638	psi	15,000
Tensile Modulus	ASTM D-638	psi x 10 ⁶	1.7
Flexural Strength	ASTM D-790	psi	25,000
Flexural Strength, 130°C	ASTM D-790	psi	13,000
Flexural Modulus	ASTM D-790	psi x 10 ⁶	1.2
Compressive Strength, Flatwise Edgewise	ASTM D-695	psi	42,000 20,000
Shear Strength	ASTM D-732	psi	14,500
IZOD Impact Strength, Notched	ASTM D-256	ft.lb./in.	9.6
Water Absorption	ASTM D-570	% by wt.	0.3
Specific Gravity	ASTM D-792	--	1.8
Dielectric Strength, Perpendicular Parallel	ASTM D-149	Vpm kV	200 45
Arc Resistance	ASTM D-495	Seconds	185
Inclined Plane Track Resistance	ASTM D-2303	Minutes	500+
Thermal Conductivity	ASTM C-177	BTU/hr./ft. ² /in./°F	1.9
UL Temperature Index, Electrical Mechanical	UL 746B	°C	130 160
Flammability	UL 94	Class	V-0

*These materials are manufactured in numerous sizes, shapes, and thicknesses. The data shown is a composite of all products.

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