



MANUFACTURERS OF  
**ELECTRICAL INSULATION MATERIALS**  
 INSULATING COMPONENTS FOR  
 POWER SYSTEMS EQUIPMENT

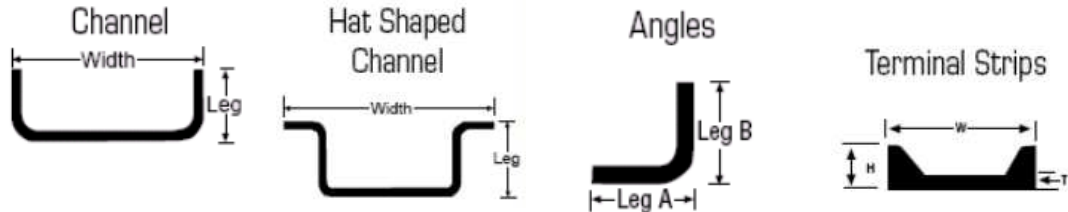
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## MATERIAL DATA SHEET

**Item:** Glass Polyester Angles and Channels

**Description:** The molded composite shapes offer the designer choices of structural insulating members whose characteristics combine good electrical properties, high strength to weight ratio, flame and track resistance.

**Availability:**



CHANNEL			
PARTNO.	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	4-3/34	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

EQUAL LEG ANGLES		
PARTNO.	LEGA & B	THICKNESS
3121010	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			
PARTNO.	LEGA	LEGB	THICKNESS
2877	2-3/4	2	1/4
3133716	3-3/4	1-5/8	3/16

TERMINAL STRIPS			
2710	7/16	1-1/2	1/4

HAT SHAPED CHANNEL			
1161	4-19/32	7/8	1/8
2091	5	1-3/8	1/8
1272	9-9/16	2-3/8	3/16

All of the information, suggestions, and recommendations are believed to be accurate; however, the final decision as to the manner of such use, and whether the use is appropriate, is the responsibility of the user. The manufacturer makes no warranty, expressed or implied, including, without limitation, any warranty of merchantability or fitness for a particular purpose. Under no circumstances shall the manufacturer be liable for incidental or consequential loss or damage.

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Key Characteristics:	Units - English (SI)	Typical Values
StandardColor		Red
TensileStrength	Psi(MPa)	15,000(103.42)
FlexuralStrength	Psi(MPa)	25,000(172.37)
CompressiveStrength:Flatwise	Psi(MPa)	42,000(289.58)
Edgewise	Psi(MPa)	20,000(137.90)
ShearStrength	Psi(MPa)	14,500(99.97)
WaterAbsorption	%byweight	0.3
SpecificGravity	Lbs/in <sup>3</sup>	1.8
DielectricStrength(S/Tinair)	VPM(kV/mm)	200(7.8)
ThermalConductivity	BTU*In/Hr*Ft <sup>2</sup> *F(W/m*K)	1.9(0.27)
IZODImpactStrength(notched)	Ft-lbs/in	9.6

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