

Grade 1130 Angles and Channels

Electrical Insulating Structural Products

- Grade 1130 Pultrusions
- Dimensions are in inches
- All parts are available in standard lengths of 120" except 2261 and 2890

Channel			
Part No.	Width	Leg	Thickness
2875	2	9/16	1/8
2617	2	13/16	1/8
1144	2	1	1/4
2261	2 3/16	3/4	1/16
2212	2 5/16	3/4	1/8
1177	2 9/16	1 1/32	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
2874	4 1/2	2 1/2	1/4
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 2 1/32	1 5/8	1/8
2250	11 9/32	1 5/8	3/8
2120	11 1/2	1 7/16	5/32

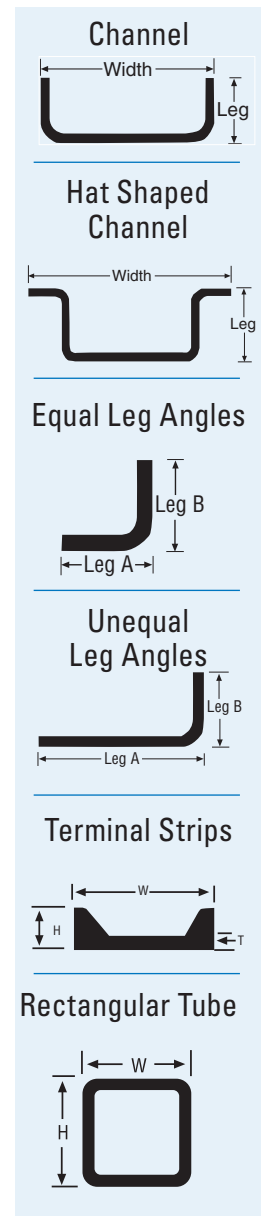
Hat Shaped Channel			
Part No.	Width	Leg	Thickness
1161	4 19/32	7/8	1/8
2091	5	1 3/8	1/8
1272	9 9/16	2 3/8	3/16

Equal Leg Angles			
Part No.	Width	Leg	Thickness
2889	1 1/4	1 1/4	1/8
2879	1 1/4	1 1/4	3/16
2880	1 1/2	1 1/2	1/8
2881	1 1/2	1 1/2	3/16
2882	1 1/2	1 1/2	1/4
2883	2	2	3/16
2884	2	2	1/4
2885	3	3	1/4
2886	3	3	3/8

Unequal Leg Angles			
Part No.	Width	Leg	Thickness
2876	2 1/4	1 1/2	3/16
1133	2 1/2	1 1/4	3/16
2877	2 3/4	2	1/4
2890	6	3	1/2

Terminal Strips			
Part No.	Width	Leg	Thickness
2700	3/8	1 1/4	1/8
2710	7/16	1 1/2	1/4
2720	—	2	1/2

Rectangular Tube			
Part No.	Width	Leg	Thickness
F822024	1 1/2	1 1/2	1/8
F822432	2	2	1/4





Grade 1130 Angles and Channels

	Unit	ASTM/UL Test	Typical Values
Smoke & Toxicity Data			
Smoke Developed		UL 723/ E84	115
Composition of Atmosphere		MIL-M-14G	
Hydrogen Chloride	Parts Per Million		0
Hydrogen Bromide	Parts Per Million		0
Hydrogen Cyanide	Parts Per Million		<1
Hydrogen Sulfide	Parts Per Million		0
Vinyl Chloride	Parts Per Million		<0.3
Ammonia	Parts Per Million		0
Aldehydes	Parts Per Million		18
Oxides of Nitrogen	Parts Per Million		19
Carbon Dioxide	Parts Per Million		6,800
Carbon Monoxide	Parts Per Million		105
General Information			
Part Number			1130
Color, Standard			Gray
UL Classification Number			R9599
Mechanical Properties			
Tensile Strength – Lengthwise	Psi	D 638	14,600
Tensile Strength – Crosswise	Psi	D 638	16,000
Tensile Modulus – Lengthwise	Psi x 106	D 638	1.49
Tensile Modulus – Crosswise	Psi x 106	D 638	1.49
Flexural Strength – Lengthwise	Psi	D 790	20,400
Flexural Strength – Crosswise	Psi	D 790	23,300
Flexural Modulus – Lengthwise	Psi x 106	D 790	1.41
Flexural Modulus – Crosswise	Psi x 106	D 790	1.39
IZOD Impact Strength (notched)	Ft.lb./in.	D 256	11.3
Bonding Strength	Lbs.	NEMA 11.11	6,100
Water Absorption	% by wt.	D 570	0.1
Electrical Properties			
Electric Strength – Perpendicular S/T in air	Vpm	D 149	316
Electric Strength-parallel			
Condition A	kV	D 149	75
Condition D (48/50)	kV		79
Arc Resistance	Seconds	D 495	192
Inclined Plane Track Resistance	Minutes	D 2303	870
Flame Resistance Properties			
UL Subject 94		UL 94	V-0
UL Standard 723 Flame Spread		E 84	20
UL Standard 723 Fuel Contributed		E 84	0
Radiant Panel – Flame Spread		E 162	12

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