

# 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	$\frac{9}{16}$	$\frac{1}{8}$
2617	2	$\frac{13}{16}$	$\frac{1}{8}$
1144	2	1	$\frac{1}{4}$
2261	$2\frac{3}{16}$	$\frac{3}{4}$	$\frac{1}{16}$
2212	$2\frac{5}{16}$	$\frac{3}{4}$	$\frac{1}{8}$
1177	$2\frac{9}{16}$	$1\frac{1}{32}$	$\frac{1}{8}$
1166	3	$\frac{7}{8}$	$\frac{1}{4}$
2888	3	$1\frac{1}{2}$	$\frac{1}{4}$
1939	$3\frac{9}{16}$	$2\frac{9}{16}$	$\frac{3}{16}$
1791	$3\frac{19}{32}$	$1\frac{1}{8}$	$\frac{1}{8}$
1155	4	$1\frac{1}{8}$	$\frac{1}{4}$
2242	4	$1\frac{3}{8}$	$\frac{3}{16}$
2874	$4\frac{1}{2}$	$2\frac{1}{2}$	$\frac{1}{4}$
1940	$4\frac{9}{16}$	$2\frac{9}{16}$	$\frac{9}{32}$
1788	$4\frac{3}{4}$	$1\frac{5}{8}$	$\frac{3}{16}$
2825	$5\frac{1}{2}$	$1\frac{1}{4}$	$\frac{5}{32}$
2288	$6\frac{3}{8}$	2	$\frac{9}{32}$
1844	$8\frac{1}{2}$	$2\frac{11}{16}$	$\frac{3}{16}$
1936	$9\frac{21}{32}$	$1\frac{5}{8}$	$\frac{1}{8}$
2250	$11\frac{9}{32}$	$1\frac{5}{8}$	$\frac{3}{8}$
2120	$11\frac{1}{2}$	$1\frac{7}{16}$	$\frac{5}{32}$

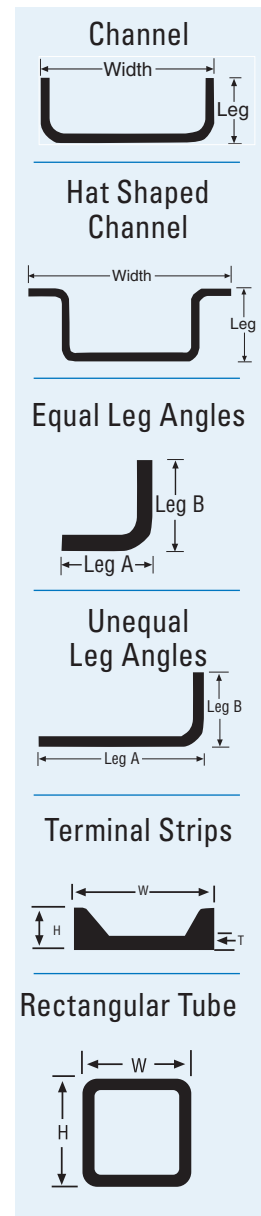
Hat Shaped Channel			
Part No.	Width	Leg	Thickness
1161	$4\frac{19}{32}$	$\frac{7}{8}$	$\frac{1}{8}$
2091	5	$1\frac{3}{8}$	$\frac{1}{8}$
1272	$9\frac{9}{16}$	$2\frac{3}{8}$	$\frac{3}{16}$

Equal Leg Angles			
Part No.	Width	Leg	Thickness
2889	$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{1}{8}$
2879	$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{3}{16}$
2880	$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{1}{8}$
2881	$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{3}{16}$
2882	$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{1}{4}$
2883	2	2	$\frac{3}{16}$
2884	2	2	$\frac{1}{4}$
2885	3	3	$\frac{1}{4}$
2886	3	3	$\frac{3}{8}$

Unequal Leg Angles			
Part No.	Width	Leg	Thickness
2876	$2\frac{1}{4}$	$1\frac{1}{2}$	$\frac{3}{16}$
1133	$2\frac{1}{2}$	$1\frac{1}{4}$	$\frac{3}{16}$
2877	$2\frac{3}{4}$	2	$\frac{1}{4}$
2890	6	3	$\frac{1}{2}$

Terminal Strips			
Part No.	Width	Leg	Thickness
2700	$\frac{3}{8}$	$1\frac{1}{4}$	$\frac{1}{8}$
2710	$\frac{7}{16}$	$1\frac{1}{2}$	$\frac{1}{4}$
2720	—	2	$\frac{1}{2}$

Rectangular Tube			
Part No.	Width	Leg	Thickness
F822024	$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{1}{8}$
F822432	2	2	$\frac{1}{4}$





## Grade 1130 Angles and Channels

	Unit	ASTM/UL Test	Typical Values
<b>Smoke &amp; Toxicity Data</b>			
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
<b>General Information</b>			
Part Number			1130
Color, Standard			Gray
UL Classification Number			R9599
<b>Mechanical Properties</b>			
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
<b>Electrical Properties</b>			
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
<b>Flame Resistance Properties</b>			
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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