

Material Data Sheet

Item: Grade 1130

Smoke & Toxicity Data	Unit	ASTM/UL Test Number	Typical Value
Smoke Developed		UL 723/ASTM E84	115
Composition of Atmosphere		MIL-M-14G	
Hydrogen Chloride	Parts per Million		0
Hydrogen Bromide	"		0
Hydrogen Cyanide	"		<1
Hydrogen Sulfide	"		0
Vinyl Chloride	"		<0.3
Ammonia	"		0
Aldehydes	"		18
Oxides of Nitrogen	"		19
Carbon Dioxide	"		6,800
Carbon Monoxide	"		105

General Information

Part Number	1130
Color, Standard	Gray
UL Classification Number	R9599

Mechanical Properties

Tensile Strength - Lengthwise	PSI	D638	14,600
Tensile Strength - Crosswise	PSI	D638	16,000
Tensile Modulus - Lengthwise	PSI x 10 ⁶	D638	1.49
Tensile Modulus - Crosswise	PSI x 10 ⁶	D638	1.49
Flexural Strength - Lengthwise	PSI	D790	20,400
Flexural Strength - Crosswise	PSI	D790	23,300
Flexural Modulus - Lengthwise	PSI x 10 ⁶	D790	1.41
Flexural Modulus - Crosswise	PSI x 10 ⁶	D790	1.39
IZOD Impact Strength (notched)	Ft.lb/in.	D256	11.3
Bonding Strength	Lbs.	NEMA 11.11	6,100
Water Absorption	% by wt.	D570	0.1

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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Electrical Properties	Unit	ASTM/UL Test Number	Typical Value
Electric Strength - Perp. S/T in Air	Vpm	D149	316
Electric Strength - Parallel		D149	
Condition A	kV		75
Condition D (48/50)	kV		79
Arc Resistance	Sec.	D495	192
Inclined Plane Track Resistance	Min.	D2303	870

Flame Resistance Properties

UL Subject 94		UL94	V-0
UL Standard 723 Flame Spread		E84	20
UL Standard 723 Fuel Contributed		E84	0
Radiant Panel - Flame Spread		E162	12