

CORROSION/ELECTRICAL SHEET
TECHNICAL DATA

PROTECTOLITE™ Series 4130H- ISO- UV is a corrosion exterior grade glass polyester material with excellent electrical insulation properties which is compression moulded to the desired shape using high heat and pressure in matched metal moulds. The material has greatly improved UV weathering & corrosion properties due to its ISO resin system while maintaining excellent fire, smoke and track resistance. Series 4130H-ISO-UV meets NFPA 130 & Docket 90 which makes it ideally suited for Mass Transit Rail, Bus & Track applications such as paneling, cable spacer blocks, trough covers and other electrical insulation & corrosion resistant parts.

<u>PROPERTIES:</u>	<u>VALUES:</u>	<u>METHOD:</u>
FLEXURAL STRENGTH,	20-25,000 psi	ASTM D790
FLEXURAL MODULUS,	1.0-2.0 x 10 ⁶ psi	ASTM D790
TENSILE STRENGTH,	12-14,000 psi	ASTM D790
TENSILE MODULUS,	1.7-2.0 x 10 ⁶ psi	ASTM D790
COMPRESSIVE STRENGTH	25-30,000 psi	ASTM D790
WATER ABSORPTION (24 Hours @ 23 ⁰ C)	>0.2%	ASTM D570
IZOD IMPACT, notched,	10 ft-lb/in	ASTM D256
ARC RESISTANCE	180	ASTM D495
TRACK RESISTANCE	600+	ASTM D2303
DIELECTRIC STRENGTH (perp. oil S.T.)	400 VPM	ASTM D149
FLAME RESISTANCE, VERTTICAL BURN	0	ASTM d229
FLAMMABILITY NFPA 130	V-O	UL94
• FLAME SPREAD INDEX	<15	ASTM E162
• SMOKE EMISSIONS, D _s		ASTM E662
90 seconds	<10	
4 minutes	<10	

TOXICITY
Bombardier SMP 801C//Boeing BSS 7239

Carbon Monoxide	<1000	Carbon Dioxide	<15,000
Nitrogen Oxides	<100	Vinyl Chloride	<10
Hydrogen Sulfide	<10	Ammonia	<500
Hydrogen Chloride	<10	Aldehydes	<30
Hydrogen Fluoride	<10		
Hydrogen Cyanide	<10		
Hydrogen Bromide	<10		

The property values are based upon tests believed to be reliable, performed on laboratory test plaques. However, no liability is assumed resulting from its use. We suggest that the user perform tests in order to establish the material suitable for the specific application.

Rev October 1, 2019.