

DURAFIDE® 3130A1

Polyphenylene Sulfide

Polyplastics Co., Ltd.

Message:

DURAFIDE® 3130A1 is a Polyphenylene Sulfide (PPS) product filled with 30% mineral. It is available in Asia Pacific or North America.

Characteristics include:

Flame Rated

Wear Resistant

General Information			
UL YellowCard	E109088-218840		
Filler / Reinforcement	Mineral,30% Filler by Weight		
Features	Good Wear Resistance		
UL File Number	E109088		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PPS-MH30<		
Physical	Nominal Value	Unit	Test Method
Density	1.62	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	125	MPa	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2
Flexural Modulus	11500	MPa	ISO 178
Flexural Stress	230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
CLTE			
Flow	2.0E-5	cm/cm/°C	
Transverse	4.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	9.0E+15	ohms·cm	IEC 60093
Electric Strength (3.00 mm)	9.0	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	7.60		
1 MHz	6.40		
Dissipation Factor			IEC 60250
1 kHz	0.020		
1 MHz	0.10		

Arc Resistance	116	sec	
Comparative Tracking Index	150	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (310°C, 1000 sec ⁻¹)	200	Pa·s	ISO 11443
Additional Information	Nominal Value	Unit	Test Method
Color Number	HF2000/HD9100		

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Recommended distributors for this material

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