

DURAFIDE® 0220U9

Polyphenylene Sulfide
Polyplastics Co., Ltd.

Message:

DURAFIDE® 0220U9 is a Polyphenylene Sulfide (PPS) product. It is available in Asia Pacific, Europe, or North America. Primary characteristic: impact resistant.

General Information			
Features	High Impact Resistance		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PPS-I<		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	75.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	21	%	ISO 527-2
Flexural Modulus	3400	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
CLTE			
Flow	5.0E-5	cm/cm/°C	
Transverse	6.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+16	ohms · cm	IEC 60093
Electric Strength (3.00 mm)	18	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	3.50		
1 MHz	3.50		
Dissipation Factor			IEC 60250
1 kHz	1.0E-3		
1 MHz	2.0E-3		
Arc Resistance	111	sec	
Comparative Tracking Index	125	V	IEC 60112
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (310°C, 1000 sec ⁻¹)	500	Pa · s	ISO 11443
Additional Information	Nominal Value	Unit	Test Method

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Recommended distributors for this material

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