

DURAFIDE® 0220A9

Polyphenylene Sulfide
Polyplastics Co., Ltd.

Message:

DURAFIDE® 0220A9 is a Polyphenylene Sulfide (PPS) product. It is available in Asia Pacific, Europe, or North America.
Characteristics include:
Flame Rated
Good Toughness

General Information			
UL YellowCard	E109088-218822		
Features	Ultra High Toughness		
UL File Number	E109088		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PPS<		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	90.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	15	%	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.3	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
CLTE			
Flow	4.0E-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)	19	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	3.60		
1 MHz	3.60		
Dissipation Factor			IEC 60250
1 kHz	1.0E-3		
1 MHz	1.0E-3		
Arc Resistance	115	sec	

Comparative Tracking Index	125	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)	500	Pa·s	ISO 11443
Additional Information	Nominal Value	Unit	Test Method
Color Number	HD9100		

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Recommended distributors for this material

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