

DURAFIDE® 6565A7

Polyphenylene Sulfide

Polyplastics Co., Ltd.

Message:

Moldable at low temperature, Adhesion-enhanced

General Information			
UL YellowCard	E109088-218856		
Filler / Reinforcement	Glass\Mineral,60% Filler by Weight		
Features	Good Adhesion		
	Good Moldability		
UL File Number	E109088		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PPS-(GF+MD)60<		
Physical	Nominal Value	Unit	Test Method
Density	1.89	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	130	MPa	ISO 527-2
Tensile Strain (Break)	1.1	%	ISO 527-2
Flexural Modulus	17800	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	275	°C	ISO 75-2/A
CLTE			
Flow	1.0E-5	cm/cm/°C	
Transverse	3.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.0E+15	ohms·cm	IEC 60093
Electric Strength (3.00 mm)	16	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	4.90		
1 MHz	4.70		
Dissipation Factor			IEC 60250
1 kHz	0.014		
1 MHz	6.0E-3		

Arc Resistance	181	sec	
Comparative Tracking Index	175	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	HD9050		

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