

DURAFIDE® 6165A4

Polyphenylene Sulfide

Polyplastics Co., Ltd.

Message:

DURAFIDE® 6165A4 is a Polyphenylene Sulfide (PPS) product filled with 65% glass\mineral. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Good Dimensional Stability

General Information			
UL YellowCard	E109088-218847		
Filler / Reinforcement	Glass\Mineral,65% Filler by Weight		
Features	Good Dimensional Stability		
UL File Number	E109088		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PPS-(GF+MD)65 <		
Physical	Nominal Value	Unit	Test Method
Density	1.98	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.010	%	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	18300	MPa	ISO 178
Flexural Stress	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	270	°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	8.0E+15	ohms · cm	IEC 60093
Electric Strength (3.00 mm)	14	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	5.80		
1 MHz	5.80		
Dissipation Factor			IEC 60250
1 kHz	2.0E-3		
1 MHz	2.0E-3		

Arc Resistance	162	sec	
Comparative Tracking Index	200	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)	400	Pa·s	ISO 11443
Additional Information	Nominal Value	Unit	Test Method
Color Number	HF2000/HD9050/HD9100		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

