

DURAFIDE® 1140A6

Polyphenylene Sulfide

Polyplastics Co., Ltd.

Message:

DURAFIDE® 1140A6 is a Polyphenylene Sulfide (PPS) product filled with 40% glass fiber. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

High Strength

General Information			
UL YellowCard	E109088-218831	E109088-218832	
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	High Strength		
UL File Number	E109088		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PPS-GF40<		
Physical	Nominal Value	Unit	Test Method
Density	1.66	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	210	MPa	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2
Flexural Modulus	14000	MPa	ISO 178
Flexural Stress	290	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	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	4.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.0E+15	ohms·cm	IEC 60093
Electric Strength (3.00 mm)	16	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	4.20		
1 MHz	4.20		
Dissipation Factor			IEC 60250
1 kHz	1.0E-3		
1 MHz	2.0E-3		

Arc Resistance	123	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)	260	Pa·s	ISO 11443
Additional Information	Nominal Value	Unit	Test Method
Color Number	HF2000/HD9100		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

