

DURAFIDE® 7140A4

Polyphenylene Sulfide
Polyplastics Co., Ltd.

Message:

DURAFIDE® 7140A4 is a Polyphenylene Sulfide (PPS) product filled with 30% carbon fiber. It is available in Asia Pacific, Europe, or North America. Characteristics include:
Flame Rated
Conductive
Lubricated
Wear Resistant

General Information			
UL YellowCard	E109088-218860		
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Additive	PTFE Lubricant		
Features	Electrically Conductive		
	Good Wear Resistance		
	Lubricated		
UL File Number	E109088		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PPS+PTFE-CF30<		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	180	MPa	ISO 527-2
Tensile Strain (Break)	1.1	%	ISO 527-2
Flexural Modulus	22800	MPa	ISO 178
Flexural Stress	270	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	4.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.0E+2	ohms · cm	IEC 60093
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)	280	Pa·s	ISO 11443
Additional Information	Nominal Value	Unit	Test Method
Color Number	HD9000		

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Recommended distributors for this material

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