

DURAFIDE® 6150T6

Polyphenylene Sulfide

Polyplastics Co., Ltd.

Message:

DURAFIDE® 6150T6 is a Polyphenylene Sulfide (PPS) product filled with 50% glass\mineral. It is available in Asia Pacific, Europe, or North America.
Primary characteristic: impact resistant.

General Information			
UL YellowCard	E109088-218846		
Filler / Reinforcement	Glass\Mineral,50% Filler by Weight		
Features	High Impact Resistance		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PPS-I-(GF+MD)50<		
Physical	Nominal Value	Unit	Test Method
Density	1.71	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	155	MPa	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2
Flexural Modulus	11200	MPa	ISO 178
Flexural Stress	205	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	265	°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	2.0E+16	ohms · cm	IEC 60093
Electric Strength (3.00 mm)	16	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	4.50		
1 MHz	4.40		
Dissipation Factor			IEC 60250
1 kHz	4.0E-3		
1 MHz	5.0E-3		
Arc Resistance	126	sec	
Comparative Tracking Index	150	V	IEC 60112
Fill Analysis	Nominal Value	Unit	Test Method

Melt Viscosity (310°C, 1000 sec ⁻¹)	240	Pa·s	ISO 11443
Additional Information	Nominal Value	Unit	Test Method
Color Number	HF2000/HD9100		

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Recommended distributors for this material

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