

HONES® PPS HS-G50

Polyphenylene Sulfide

Guangdong Shunde Hones Polymer Material Co., Ltd.

Message:

Low warpage, Low flash

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Low Warpage		
	Minimal Flash		
UL File Number	E254390		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm ³	Internal Method
Molding Shrinkage			Internal Method
Flow : 2.00 mm	0.20	%	
Across Flow : 2.00 mm	0.45	%	
Water Absorption (23°C, 24 hr)	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	120	MPa	Internal Method
Tensile Elongation (Break)	1.2	%	Internal Method
Flexural Modulus	9000	MPa	Internal Method
Flexural Strength	205	MPa	Internal Method
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	265	°C	Internal Method
CLTE			ISO 11359-2
Flow	2.0E-5	cm/cm/°C	
Transverse	3.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0E+17	ohms	IEC 60093
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	4.60		
1 MHz	4.70		
Dissipation Factor			IEC 60250
1 kHz	2.0E-3		
1 MHz	3.0E-3		
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)	260	Pa·s	ISO 11443

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Recommended distributors for this material

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