

HONES® PPS HS-R7-1

Polyphenylene Sulfide

Guangdong Shunde Hones Polymer Material Co., Ltd.

Message:

High impact, Hydrolysis resistance

General Information			
Features	High Impact Resistance		
	Hydrolysis Resistant		
UL File Number	E254390		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	Internal Method
Molding Shrinkage			Internal Method
Flow : 2.00 mm	0.35	%	
Across Flow : 2.00 mm	0.80	%	
Water Absorption (23°C, 24 hr)	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	95.0	MPa	Internal Method
Tensile Elongation (Break)	1.5	%	Internal Method
Flexural Modulus	4500	MPa	Internal Method
Flexural Strength	135	MPa	Internal Method
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	°C	Internal Method
CLTE			ISO 11359-2
Flow	5.0E-5	cm/cm/°C	
Transverse	8.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+16	ohms	IEC 60093
Volume Resistivity	2.0E+15	ohms·cm	IEC 60093
Electric Strength (3.00 mm)	18	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	3.90		
1 MHz	3.90		
Dissipation Factor			IEC 60250
1 kHz	3.0E-3		
1 MHz	4.0E-3		
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (310°C)	650	Pa·s	ISO 11443

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Recommended distributors for this material

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