

HONES® PPS HS-R7

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	1.60	g/cm ³	Internal Method
Molding Shrinkage			Internal Method
Flow : 2.00 mm	0.30	%	
Across Flow : 2.00 mm	0.60	%	
Water Absorption (23°C, 24 hr)	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	110	MPa	Internal Method
Tensile Elongation (Break)	1.3	%	Internal Method
Flexural Modulus	6500	MPa	Internal Method
Flexural Strength	180	MPa	Internal Method
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	230	°C	Internal Method
CLTE			ISO 11359-2
Flow	4.0E-5	cm/cm/°C	
Transverse	6.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	8.0E+15	ohms	IEC 60093
Volume Resistivity	4.0E+16	ohms·cm	IEC 60093
Electric Strength (3.00 mm)	18	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
1 kHz	3.50		
1 MHz	3.50		
Dissipation Factor			IEC 60250
1 kHz	1.0E-3		
1 MHz	2.0E-3		
Comparative Tracking Index	105	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)	500	Pa · s	ISO 11443

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



WECHAT