SUSTATRON PPS

Polyphenylene Sulfide

Röchling Sustaplast SE & Co. KG

Message:

Product characteristics
Very high continuous service temperature
High mechanical strength and rigidity
High chemical resistance
Typical fields of application
Electrical and electronic industries
Vehicle construction
Aircraft construction

General Information	
Features	High Rigidity High Strength
Uses	Aircraft Applications Automotive Applications Electrical/Electronic Applications

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.020	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	88		ISO 868
Ball Indentation Hardness	190	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4150	MPa	ISO 527-2
Tensile Stress (Yield)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	110	°C	ISO 75-2/A
Continuous Use Temperature			
-- [1]	-20.0 to 220	°C	
-- [2]	< 260	°C	
Melting Temperature	285	°C	ISO 11357-3
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+13	ohms·cm	IEC 60093
Flammability	**Nominal Value**	**Unit**	**Test Method**

Flame Rating		UL 94
3.00 mm	V-0	
6.00 mm	V-0	

NOTE	
1.	Long Term
2.	Short Term

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