

SUSTATRON PPS GF 40

Polyphenylene Sulfide
Röchling Sustaplast SE & Co. KG

Message:

- Product characteristics
- Excellent rigidity
- Very high dimensional stability
- Very low creep tendency
- Typical fields of application
- Precision and electrical industries
- Chemical industry
- Medical technology

General Information			
Features	Good Creep Resistance		
	Good Dimensional Stability		
	High Rigidity		
Uses	Electrical/Electronic Applications		
	Medical/Healthcare Applications		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.015	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	92		ISO 868
Ball Indentation Hardness	250	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ISO 527-2
Tensile Stress (Yield)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	0.00 to 220	°C	
-- 2	< 250	°C	
Melting Temperature	285	°C	ISO 11357-3
CLTE - Flow	3.0E-5	cm/cm/°C	DIN 53752
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
3.00 mm	V-0		

6.00 mm	V-0
NOTE	
1.	Long Term
2.	Short Term

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