

SUSTASON PPSU

Polyphenylsulfone
Röchling Sustaplast SE & Co. KG

Message:

- Product characteristics
- High sterilisation resistance
- High heat deflection temperature
- High tensile strength and rigidity
- Typical fields of application
- Electrical and electronics industry
- Medical technology
- Sanitary engineering

General Information			
Features	High Rigidity		
	High Strength		
Uses	Electrical/Electronic Applications		
	Medical/Healthcare Applications		
	Sanitary Products		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress (Yield)	77.0	MPa	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-50.0 to 180	°C	
-- 2	< 210	°C	
CLTE - Flow	5.5E-5	cm/cm/°C	DIN 53752
Thermal Conductivity	0.35	W/m/K	DIN 52612
Electrical	Nominal Value	Unit	Test Method
Electric Strength	15	kV/mm	IEC 60243-1
Dielectric Constant	3.44		IEC 60250
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	

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