

SUSTAPEI GF 30

Polyether Imide
Röchling Sustaplast SE & Co. KG

Message:

Product characteristics
High rigidity
High heat deflection temperature
High flame retardance
Typical fields of application
Electrical and electronic industries
Radio and television technology
Aircraft construction

General Information			
Features	Flame Retardant		
	High Rigidity		
Uses	Aircraft Applications		
	Electrical/Electronic Applications		
	Telecommunications		
Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.40	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	92		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2
Tensile Stress (Yield)	120	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-30.0 to 170	°C	
-- 2	< 210	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Electric Strength	35	kV/mm	IEC 60243-1
Dielectric Constant	3.30		IEC 60250
Dissipation Factor (50 Hz)	1.6E-3		IEC 60250

Comparative Tracking Index	150	V	IEC 60112
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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