

SUSTAMID 66 GF 30

Polyamide 66
Röchling Sustaplast SE & Co. KG

Message:

Product characteristics
Good dimensional stability
High mechanical strength
High heat deflection temperature
Typical fields of application
Mechanical engineering
Electronic industry
Vehicle construction

General Information			
Features	Good Dimensional Stability		
	High Strength		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Engineered Applications		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	1.7	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	86		ISO 868
Ball Indentation Hardness	210	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2
Tensile Stress (Yield)	100	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	150	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-20.0 to 120	°C	
-- 2	< 200	°C	
Melting Temperature	260	°C	ISO 11357-3
CLTE - Flow	5.0E-5	cm/cm/°C	DIN 53752
Specific Heat	1500	J/kg/°C	DIN 52612

Thermal Conductivity	0.24	W/m/K	DIN 52612
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
3.00 mm	HB		
6.00 mm	HB		
NOTE			
1.	Long Term		
2.	Short Term		

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