SUSTAMID 6G GK

Polyamide 6

Röchling Sustaplast SE & Co. KG

Message:

Product characteristics
High rigidity
Low deformation under pressure load
High heat deflection temperature
Typical fields of application
Mechanical engineering

General Information			
Features	High Rigidity		
Uses	Engineered Applications		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.16	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	2.0	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	83		ISO 868
Ball Indentation Hardness	200	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4000	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	> 5.0	%	ISO 527-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 100	°C	ISO 75-2/A
Continuous Use Temperature			
-- [1]	-40.0 to 110	°C	
-- [2]	< 170	°C	
Melting Temperature	218	°C	ISO 11357-3
CLTE - Flow	6.0E-5	cm/cm/°C	DIN 53752
Specific Heat	1600	J/kg/°C	DIN 52612
Thermal Conductivity	0.27	W/m/K	DIN 52612
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94
3.00 mm	HB		
6.00 mm	V-2		
NOTE			
1.	Long Term		
2.	Short Term		

Recommended distributors for this material

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