SUSTAVACU 6 GF

Polyamide 6

Röchling Sustaplast SE & Co. KG

Message:

Product characteristics
Vacuum formable
Very high rigidity
High impact resistance
Typical fields of application
Mechanical engineering
Vehicle construction
Plant construction

General Information			
Filler / Reinforcement	Glass Fiber		
Features	High Impact Resistance High Rigidity		
Uses	Automotive Applications Engineered Applications		
Processing Method	Vacuum Forming		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.22	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	2.5	%	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	5400	MPa	ISO 527-2
Tensile Stress (Yield)	105	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	12	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	190	°C	ISO 75-2/A
Continuous Use Temperature			
-- [1]	-20.0 to 140	°C	
-- [2]	< 180	°C	
Melting Temperature	220	°C	ISO 11357-3
CLTE - Flow	7.0E-5	cm/cm/°C	DIN 53752

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
3.00 mm	HB	
6.00 mm	HB	
NOTE		
1.	Long Term	
2.	Short Term	

Recommended distributors for this material

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