

SUSTAMID 6G PD 140

Polyamide 6
Röchling Sustaplast SE & Co. KG

Message:

- Product characteristics
- Extremely high impact strength
- Fracture-proof also at sub-zero temperatures
- Good sliding and abrasion resistance properties
- Typical fields of application
- Construction machinery
- Mechanical engineering
- Transportation and conveyor industry

General Information	
Features	Good Abrasion Resistance
	High Impact Resistance
	Low Friction
	Low Temperature Impact Resistance

Uses	Construction Applications
	Conveyors
	Engineered Applications

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	2.4	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	81		ISO 868
Ball Indentation Hardness	164	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-40.0 to 100	°C	
-- 2	< 160	°C	
Melting Temperature	210	°C	ISO 11357-3
CLTE - Flow	8.0E-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	

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