

SUSTAGLIDE HI

Polyamide 6
Röchling Sustaplast SE & Co. KG

Message:

- Product characteristics
- Good sliding and abrasion resistance properties
- High impact resistance
- Good machinability
- Typical fields of application
- Mechanical engineering
- Transportation and conveyor industry
- Textile industry

General Information			
Features	Good Abrasion Resistance		
	High Impact Resistance		
	Low Friction		
	Machinable		
Uses	Conveyors		
	Engineered Applications		
	Textile Applications		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	75		ISO 868
Ball Indentation Hardness	90.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Break)	> 70	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	30	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-50.0 to 100	°C	
-- 2	< 150	°C	
Melting Temperature	210	°C	ISO 11357-3
CLTE - Flow	8.0E-5	cm/cm/°C	DIN 53752
Specific Heat	1700	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	HB		
NOTE			
1.	Long Term		
2.	Short Term		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

