

SUSTAMID 6G ESD 90

Polyamide 6
Röchling Sustaplast SE & Co. KG

Message:

- Product characteristics
- Antistatic
- High mechanical strength
- Good compressive strength
- Typical fields of application
- Packing industry
- Explosion protection
- Electrical industry

General Information			
Features	Antistatic		
	Good Compressive Strength		
	High Strength		
Uses	Electrical/Electronic Applications		
	Safety Equipment		
Physical	Nominal Value	Unit	Test Method
Density	1.19	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)	80		ISO 868
Ball Indentation Hardness	140	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m²	ISO 179
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	216	°C	ISO 11357-3
CLTE - Flow	7.0E-5	cm/cm/°C	DIN 53752
Thermal Conductivity	0.29	W/m/K	DIN 52612

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6 to 1.0E+9	ohms	IEC 60093
Volume Resistivity	1.0E+5 to 1.0E+8	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	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

