

Roechling SUSTAABS

Acrylonitrile Butadiene Styrene
Röchling Sustaplast SE & Co. KG

Message:

- Product characteristics
- Low moisture absorption
- High noise absorption
- High rigidity
- Typical field of application
- Vehicle construction
- Precision and electrical industries
- Sanitary engineering

General Information			
Features	High Rigidity		
	Low Moisture Absorption		
	Noise Damping		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Sanitary Products		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	78		ISO 868
Ball Indentation Hardness	90.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress (Yield)	45.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature			
-- 1	-40.0 to 80.0	°C	
-- 2	< 100	°C	
CLTE - Flow	9.0E-5	cm/cm/°C	DIN 53752
Specific Heat	1200	J/kg/°C	DIN 52612
Thermal Conductivity	0.17	W/m/K	DIN 52612
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength	20	kV/mm	IEC 60243-1
Dielectric Constant	3.10		IEC 60250
Dissipation Factor (50 Hz)	0.015		IEC 60250
Comparative Tracking Index	600	V	IEC 60112
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



WECHAT