

SUSTARIN® C ESD 90

Acetal (POM) Copolymer
Röchling Sustaplast SE & Co. KG

Message:

- Product characteristics
- Antistatic
- Does not contain any carbon black
- Good sliding properties
- Typical fields of application
- Semiconductor industry
- Explosion protection
- Packing industry

General Information			
Features	Antistatic		
	Low Friction		
Uses	Electrical/Electronic Applications		
	Safety Equipment		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	76		ISO 868
Ball Indentation Hardness	90.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ISO 527-2
Tensile Stress (Yield)	42.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	106	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-50.0 to 85.0	°C	
-- 2	< 140	°C	
Melting Temperature	165	°C	ISO 11357-3
CLTE - Flow	1.7E-4	cm/cm/°C	DIN 53752
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 to 1.0E+11	ohms	IEC 60093

Volume Resistivity	1.0E+9 to 1.0E+12	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		

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