

SUSTARIN® C ESD 90 PLUS

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

Message:

- Product characteristics
- Antistatic
- Good sliding properties
- Does not contain any carbon black
- Typical fields of application
- Electrical and electronic industry
- Transportation and conveyor technology
- Mechanical engineering

General Information			
Features	Antistatic		
	Low Friction		
Uses	Conveyors		
	Electrical/Electronic Applications		
	Engineered Applications		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	73		ISO 868
Ball Indentation Hardness	74.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1250	MPa	ISO 527-2
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature			
-- 1	-50.0 to 85.0	°C	
-- 2	< 140	°C	
Melting Temperature	165	°C	ISO 11357-3
CLTE - Flow	1.0E-4	cm/cm/°C	DIN 53752
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+7 to 1.0E+9	ohms	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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