

SUSTARIN® C ESD 60

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

- Message:
- Product characteristics
 - Electrically conductive
 - High UV resistance
 - High resistance against many solvents
 - Typical fields of application
 - Mechanical engineering
 - Explosion protection
 - Packing industry

General Information			
Features	Electrically Conductive		
	Good UV Resistance		
	Solvent Resistant		
Uses	Engineered Applications		
	Safety Equipment		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.25	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	79		ISO 868
Ball Indentation Hardness	100	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ISO 527-2
Tensile Stress (Yield)	40.0	MPa	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	89.0	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-20.0 to 100	°C	
-- 2	< 140	°C	
Melting Temperature	165	°C	ISO 11357-3
CLTE - Flow	1.3E-4	cm/cm/°C	DIN 53752
Thermal Conductivity	0.31	W/m/K	DIN 52612

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	IEC 60093
Volume Resistivity	5.0E+3	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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