

SUSTARIN® C GLD 160

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

Message:

- Product characteristics
- Extremely high wear resistance
- Excellent sliding properties
- Low "stick-slip" effect
- Typical fields of application
- Conveyor technology
- Mechanical engineering
- Vehicle Construction

General Information			
Features	Good Wear Resistance		
	Low Friction		
Uses	Automotive Applications		
	Conveyors		
	Engineered Applications		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.65	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80		ISO 868
Ball Indentation Hardness	120	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress (Yield)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	16	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	98.0	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-50.0 to 100	°C	
-- 2	< 140	°C	
Melting Temperature	165	°C	ISO 11357-3
CLTE - Flow	1.2E-4	cm/cm/°C	DIN 53752
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength	33	kV/mm	IEC 60243-1
Dielectric Constant	3.70		IEC 60250
Dissipation Factor (50 Hz)	2.0E-3		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		

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