

SUSTARIN® H AF

Acetal (POM) Homopolymer

Röchling Sustaplast SE & Co. KG

Message:

Product characteristics
High dimensional stability
Excellent sliding properties
Highly wear resistant
Typical fields of application
Mechanical engineering
Electrical industry
Conveyor industry

General Information			
Features	Good Dimensional Stability		
	Good Wear Resistance		
	Low Friction		
Uses	Conveyors		
	Electrical/Electronic Applications		
	Engineered Applications		
Physical	Nominal Value	Unit	Test Method
Density	1.54	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ISO 527-2
Tensile Stress (Yield)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	118	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-40.0 to 90.0	°C	
-- 2	< 150	°C	
Melting Temperature	175	°C	ISO 11357-3
CLTE - Flow	9.5E-5	cm/cm/°C	DIN 53752
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Electric Strength	16	kV/mm	IEC 60243-1
Dielectric Constant	3.20		IEC 60250

Dissipation Factor (50 Hz)	9.0E-3		IEC 60250
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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