

SUSTADUR PET GLD 130

Polyethylene Terephthalate
Röchling Sustaplast SE & Co. KG

Message:

Product characteristics
Excellent sliding properties
High rigidity
High dimensional stability
Typical fields of application
Conveyor technology
Mechanical engineering
Electrical industry

General Information	
Features	Good Dimensional Stability
	High Rigidity
	Low Friction

Uses	Conveyors
	Electrical/Electronic Applications
	Engineered Applications

Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.23	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	82		ISO 868
Ball Indentation Hardness	160	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	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
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-20.0 to 115	°C	
-- 2	< 180	°C	
Melting Temperature	255	°C	ISO 11357-3
CLTE - Flow	6.5E-5	cm/cm/°C	DIN 53752

Thermal Conductivity	0.28	W/m/K	DIN 52612
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+18	ohms·cm	IEC 60093
Electric Strength	20	kV/mm	IEC 60243-1
Dielectric Constant	3.40		IEC 60250
Dissipation Factor (50 Hz)	1.0E-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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