

Technical Data Sheet

Sustadur[®] PET GLD 120 grey

PET

Typical characteristics

- Good sliding properties
- Good wear properties
- High stiffness
- Good dimensional stability

Typical industries

- Electronics
- Conveyor Technology & Automation
- Mechanical Engineering Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,41
Water absorption	DIN EN ISO 62	%	0,2
Flammability	UL 94		HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	77
Elongation at break	DIN EN ISO 527	%	4
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3100
Impact strength	DIN EN ISO 179	kJ / m ²	20
Notched impact strength	DIN EN ISO 179	kJ / m ²	2
Shore hardness	DIN EN ISO 868	scale D	80
Thermal properties			
Melting temperature	ISO 11357-3	°C	248
Thermal conductivity	DIN 52612-1	W / (m * K)	0,28
Service temperature, long term	Average	°C	-20 ... 115
Service temperature, short term (max.)	Average	°C	180
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	75
Electrical properties			
Dielectric constant	IEC 60250		3,4
Dielectric dissipation factor (50 Hz)	IEC 60250		0,001
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10 ¹⁸



	Test method	Unit	Guideline value
Surface resistivity	DIN EN 62631-3-2	Ω	10^{16}
Comparative tracking index	IEC 60112		600
Dielectric strength	IEC 60243	kV / mm	20

