

### Technical Data Sheet

## Sustadur<sup>®</sup> PET GLD 130 natural

PET

#### Typical characteristics

- High rigidity
- Good dimensional stability
- Good sliding properties

#### Typical industries

- Electronics
- Conveyor Technology & Automation
- Bakery and Confectionery
- Meat, Fish and Poultry Processing
- Beverage Industry
- Mechanical Engineering Industry
- Food Industry

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,44
Water absorption	DIN EN ISO 62	%	0,2
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB / HB
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	75
Elongation at break	DIN EN ISO 527	%	5
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3300
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	2,0
Shore hardness	DIN EN ISO 868	scale D	82
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	248
Thermal conductivity	DIN 52612-1	W / (m * K)	0,28
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	65
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



	Test method	Unit	Guideline value
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3,4
Dielectric dissipation factor (50 Hz)	IEC 60250		0,001
Volume resistivity	DIN EN 62631-3-1	$\Omega \cdot \text{cm}$	$10^{18}$
Surface resistivity	DIN EN 62631-3-2	$\Omega$	$10^{16}$
Comparative tracking index	IEC 60112		600
Dielectric strength	IEC 60243	kV / mm	20

