

Technical Data Sheet

SustaPVDF ESD 60 black

PVDF

Typical characteristics

- Electrically conductive
- Chemical resistant
- UV-resistant

Typical industries

- Electronics
- Mechanical Engineering Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,79
Water absorption	DIN EN ISO 62	%	0,0
Flammability (Thickness 3 mm / 6 mm)	UL 94		V0 / V0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	58
Elongation at break	DIN EN ISO 527	%	10
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2500
Notched impact strength	DIN EN ISO 179	kJ / m ²	7
Shore hardness	DIN EN ISO 868	scale D	79
Thermal properties			
Melting temperature	ISO 11357-3	°C	178
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	140
Service temperature, long term	Average	°C	-20 ... 140
Service temperature, short term (max.)	Average	°C	150
Electrical properties			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10 ⁴
Surface resistivity	DIN EN 62631-3-2	Ω	10 ⁴

