

Technical Data Sheet

Sustarin[®] C ESD 60 PLUS black

POM-C

Typical characteristics

- Electrically conductive
- High stiffness
- Good dimensional stability

Typical industries

- Electronics
- Mechanical Engineering Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,44
Water absorption	DIN EN ISO 62	%	0,20
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB / HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	45
Elongation at break	DIN EN ISO 527	%	10
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3700
Notched impact strength	DIN EN ISO 179	kJ / m ²	2,5
Shore hardness	DIN EN ISO 868	scale D	78
Ball indentation hardness	DIN EN ISO 2039-1	MPa	180
Thermal properties			
Melting temperature	ISO 11357-3	°C	165
Service temperature, long term	Average	°C	-20 ... 100
Service temperature, short term (max.)	Average	°C	140
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	110
Electrical properties			
Surface resistivity	DIN EN 62631-3-2	Ω	<=10 ⁴

