

Technical Data Sheet

Sustarin[®] C MDT blue

POM-C

Typical characteristics

- Metal detectable
- Standard colour: blue
- High hardness
- High rigidity
- Low moisture absorption
- High abrasion resistance
- High mechanical strength
- High stiffness
- Good impact strength
- Low creep tendency
- Good machinability
- Good sliding properties

Typical industries

- Bakery and Confectionery
- Meat, Fish and Poultry Processing
- Mechanical Engineering Industry
- Food Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,53
Water absorption	DIN EN ISO 62	%	0,2
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB / HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	65
Elongation at break	DIN EN ISO 527	%	25
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3000
Notched impact strength	DIN EN ISO 179	kJ / m ²	5
Shore hardness	DIN EN ISO 868	scale D	82
Thermal properties			
Melting temperature	ISO 11357-3	°C	168
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	120
Service temperature, long term	Average	°C	-20 ... 90
Service temperature, short term (max.)	Average	°C	140
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	100

