

Technical Data Sheet

Sustarin[®] C MDT - ASTM

Typical characteristics

- Metal detectable
- Standard colour: blue
- High hardness and rigidity
- Low moisture absorption
- High abrasion resistance
- Good combination of rigidity, stiffness and toughness
- Low creep tendency
- Good machinability
- Good sliding properties

Typical industries

- Mechanical Engineering Industry
- Conveyor Technology & Automation
- Electronics
- Vehicle Construction
- Healthcare
- Food Industry
- Bakery and Confectionery
- Oil and Gas

	Test method	Unit	Guideline value
General properties			
Water Absorption 24 hours	ASTM D570	%	0.2
Specific Gravity	DIN EN ISO 1183-1	g / cm ³	1.55
Mechanical properties			
Hardness	ASTM D2240	Shore D	82
Tensile Elongation	ASTM D638	%	10
Flexural Strength	ASTM D790	psi	380000
Flexural Modulus	ASTM D790	psi	138000
Izod Impact, Notched	ASTM D256	ft-lb/in	1.0
Thermal properties			
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁵	1.2
Melting Point		°F	334
Continuous Service Temperature, Air		°F	185
Maximum Service Temperature, Air		°F	185
Compliance properties			
FDA			Yes
NSF			No

	Test method	Unit	Guideline value
USDA			Yes

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

