

Technical Data Sheet

Sustarin[®] C XDT - ASTM

Typical characteristics

- X-ray detectable as small as 3mm particle size
- Excellent impact and wear resistance
- Low 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			
Density	ASTM D792	g / cm ³	1.57
Water Absorption 24 hours	ASTM D570	%	0.2
Mechanical properties			
Tensile Strength at Yield	ASTM D638	psi	7200
Hardness	ASTM D2240	Shore D	70
Tensile Elongation	ASTM D638	%	6
Flexural Strength	ASTM D790	psi	10000
Flexural Modulus	ASTM D790	psi	460000
Rockwell Hardness	ASTM D785	R	100
Izod Impact, Notched	ASTM D256	ft-lb/in	1.1
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
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	230
Deflection Temperature at 1.8Mpa (66psi)	ASTM D648	°F	320

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	Test method	Unit	Guideline value
Compliance properties			
FDA			Yes
NSF			Yes
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.

