

## Technical Data Sheet

# Sustarin<sup>®</sup> C XDT - ASTM

POM-C

### Typical characteristics

- X-ray detectable as small as 3mm particle size
- High impact resistance
- Good wear resistance
- Low sliding properties

### Typical industries

- Food Industry
- Bakery and Confectionery

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	1.57
Water Absorption 24 hours	ASTM D570	%	0.2
<b>Mechanical properties</b>			
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
<b>Thermal properties</b>			
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 <sup>-5</sup>	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
<b>Compliance properties</b>			
FDA			Yes
NSF			Yes
USDA			Yes

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)



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.



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Print: 15/06/2026 • Release: 08/04/2024 • Version: 1.0  
PIM-ID: 717955 • PIM-Code: 32-15-11.18.143.13-5.5-2  
Company-IDs: 23070

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