

## Technical Data Sheet

### SUSTARIN<sup>®</sup> C MDT - ASTM

[POM / Metal Detectable Acetal]

#### Product characteristics

- Metal detectable
- Standard colour: blue
- High hardness and rigidity

#### Product applications

- Materials handling industry
- Mechanical engineering
- Food processing industry

	Test method	Unit	Guideline Value
<b>General properties</b>			
Water Absorption 24 hours	ASTM D570	%	0.2
Specific Gravity	DIN EN ISO 1183-1	g/cm <sup>3</sup>	1.55
<b>Mechanical properties</b>			
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
<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
Maximum Service Temperature, Air		°F	185
<b>Compliance Properties</b>			
FDA			Yes
NSF			No
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.