

Technical Data Sheet

SustaPEEK XDT - ASTM

PEEK

Typical characteristics

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

Typical industries

- Bakery and Confectionery
- Beverage Industry
- Food Industry

	Test method	Unit	Guideline value
General properties			
Density	ASTM D792	g / cm ³	1.44
Mechanical properties			
Tensile Strength at Yield	ASTM D638	psi	14500
Hardness	ASTM D2240	Shore D	80
Tensile Elongation	ASTM D638	%	5
Izod Impact, Notched	ASTM D256	ft-lb/in	1.2
Thermal properties			
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁵	1.2
Melting Point	ASTM D789	°F	630
Continuous Service Temperature, Air		°F	480
Heat Deflection Temperature 264psi	ASTM D648	°F	320
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.

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