

## Technical Data Sheet

# SustaPEEK XDT - ASTM

### Typical characteristics

- X-ray detectable as small as 3mm particle size
- Excellent impact and wear resistance
- High Temperature Applications

### Typical industries

- Bakery and Confectionery
- Beverage Industry
- Food Industry

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	1.44
<b>Mechanical properties</b>			
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
<b>Thermal properties</b>			
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 <sup>-5</sup>	1.2
Melting Point	ASTM D789	°F	630
Continuous Service Temperature, Air		°F	480
Heat Deflection Temperature 264psi	ASTM D648	°F	320
<b>Compliance properties</b>			
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.

