

Technical data sheet

SUSTAPEEK® XDT (X-ray detectable polyether ether ketone)

Product characteristics

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

Typical field of application

- Food processing parts
- Bakery machinery
- Tortilla processing

Physical Properties	tested method	unit	value
Specific Gravity	D792	g/cm ³	1.4395
Mechanical Properties	tested method	unit	value
Tensile Strength at Yield	D638	psi	14,500
Tensile Strength at Break	D638	psi	9,266
Izod Impact, Notched	D256	ft-lb/in	1.2
Thermal Properties	tested method	unit	value
Melting Point	-	°F	630
Maximum Service Temperature, Air	-	°F	480
Heat Deflection Temperature 264psi	D648	°F	320
Coefficient of Linear Thermal Expansion	D696	in/in/°F x10 ⁻⁵	1.2
Compliance Properties	tested method	unit	value
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.