

Technical data sheet

Polystone® M XDT (X-Ray Detectable UHMW-PE)

Product characteristics

- X-Ray detectable as small as 3mm particle
- Excellent impact and wear resistance
- Low sliding properties

Typical field of application

- Food processing parts
- Scraper blades & Mixer Paddles
- Guide Rails

Physical Properties	tested method	unit	value
Specific Gravity	D792	g/cm ³	1.0
Water Absorption	D570	%	≤ 0.10
Mechanical Properties	tested method	unit	value
Hardness	D785	Shore D	62
Tensile Strength at yield 73 °F	D638	psi	2,480
Flexural Strength	D790	psi	3,000
Izod Impact, Notched	D256	ft-lb/in	55.4
Thermal Properties	tested method	unit	value
Melting Point	D3418	°F	266 – 275°
Maximum Service Temperature, Air	-	°F	180°
Deflection Temperature at 1.8Mpa (264psi)	D648	°F	108°
Flammability, UL94	-	1/8 inch	HB
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.