

Technical Data Sheet

Polystone[®] M XDT - ASTM

[Ultra-high molecular weight polyethylene X-ray Detectable]

	Test method	Unit	Guideline Value
General properties			
Density	ASTM D792	g / cm ³	1.0
Water Absorption	ASTM D570	%	<0.10
Carbon Black Content	ISO6964	%	n/a
Mechanical properties			
Tensile Strength at Yield	ASTM D638	psi	3000
Hardness	ASTM D2240	Shore D	62-66
Thermal properties			
Melting Point		°F	266-275
Maximum Service Temperature, Air		°F	180
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	108
Flammability, UL94		1/8 inch	HB
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁴	2.0
Compliance Properties			
FDA			Yes
NSF			Yes
USDA			Yes

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