

### Technical Data Sheet

# Polystone<sup>®</sup> M XDT - ASTM

#### Typical characteristics

- X-ray detectable as small as 3mm particle size
- Good sliding properties

#### 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>	1.0
Water Absorption	ASTM D570	%	<0.10
Carbon Black Content	ISO6964	%	n/a
<b>Mechanical properties</b>			
Tensile Strength at Yield	ASTM D638	psi	3000
Hardness	ASTM D2240	Shore D	62-66
<b>Thermal properties</b>			
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 <sup>-4</sup>	2.0
<b>Compliance properties</b>			
FDA			Yes
NSF			Yes
USDA			Yes



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