

#### General Information

High impact polystyrene  
-Low gloss with matte finish  
-USP Class VI certified  
-UL Classification 94 HB

#### Physical Properties

Density	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3	g/10 min	ASTM D1238
Specular Gloss (60°)	25	%	ASTM D523

#### Mechanical Properties

Tensile Strength (Yield)	2950	psi	ASTM D638
Notched Izod Impact (73°F)	2.0	ft·lb/in	ASTM D256
Tensile Elongation (Break)	55	%	ASTM D638
Tensile Modulus	270	kpsi	ASTM D638
Flexural Strength (73°F)	6030	psi	ASTM D790
Flexural Modulus (73°F)	270	kpsi	ASTM D790
Hardness, Rockwell	50	L-scale	ASTM D785

#### Thermal Properties

Vicat Softening Temperature, B/1 (120°C/h, 10N)	212	°F	ASTM D1525
Heat Deflection Temperature A; (261 psi, annealed 4h/80°C)	183	°F	
Coefficient of Linear Thermal Expansion	0.5	10 <sup>-4</sup> /°F	ASTM D696

#### Electrical Properties

Dielectric Constant at 106 CPS (10 <sup>6</sup> Hz, 0.0394 in)	2.5		ASTM D150
Dielectric Strength, 1/8"	400	kV/in	ASTM D149

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Approval Date- 6/2/2021

Revision- A

Listed Values:

The above values are typical property values not to be construed as specification limits.

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