

### Typical Physical Properties:

#### PROTEC® COPOLYMER POLYPROPYLENE

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.5	g/10 min	D 1238
Density	0.9	g/cm <sup>3</sup>	D 1505
Tensile Strength @ Yield	3,500	psi	D 638
Elongation @ Break	10	%	D 638
Coefficient of Linear Thermal Expansion	6.5x10 <sup>-5</sup>	In./In.°C	D 696
Flexural Modulus	145,000	psi	D 790
Notched Izod Impact	17	ft-lb/in	D 256
Low Temperature Brittleness F <sub>50</sub>			
Heat Deflection Temperature @ 66 psi	86	°C	D 648
Maximum Service Temperature, Air	180		Long Term
Vicat Softening Point	298	°F	D 1525
Hardness, Shore D	72		D 2240
Absorption	Max.0.01%		D 5709(2)
Flammability Rating	UL94 HB		
Compliances	FDA, USDA, NSF( natural only)		



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