



## Typical Physical Properties:

### PROTEC® HOMOPOLYMER 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	4,900	psi	D 638
Elongation at Yield	9.0	%	D 638
Coefficient of Linear Thermal Expansion	6.5x10 <sup>-5</sup>	In./In.° C	D 696
Flexural Modulus	190,000	psi	D 790
Notched Izod Impact @73° F	0.9	ft-lb/in	D 256
Low Temperature Brittleness F <sub>50</sub>			
Heat Deflection Temperature @ 66 psi	210	°F	D 648
Maximum Service Temperature, Air	180		Long Term
Vicat Softening Point	305	°F	D 1525
Hardness, Shore D	78		D 2240
Absorption	Max.01%		D 5709(2)
Flammability Rating	UL94 HB		
Compliances	FDA, USDA, NSF (Natural only)		

### Scranton Products:

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