

## Polystone<sup>®</sup> P (Polypropylene) Physical Properties

Physical Properties			Polystone <sup>®</sup> P (Polypropylene)			
Property	Units	ASTM Test	Homopolymer	Copolymer	Grey Homopolymer	Grey Copolymer
Density	gm/cm <sup>3</sup>	D792	0.91	0.91	.91 - .92	.91 - .92
Tensile Strength at Yield	psi	D638	4700	3700	4600	3700
Continuous Operating Temperature	°F	-	180	180	239	230
Flexural Modulus	psi	D790	180,000	155,000	180,000	155,000
Izod Impact-Notched @ 73°	ft-lbs/inch	D256	1.9	8.0	1.0	8.0
Mean Coefficient of Linear Thermal Expansion	in/in/°F	D696	1.1 x 10 <sup>-4</sup>	1.1 x 10 <sup>-4</sup>	5-6.5 x 10 <sup>-5</sup>	5-6.5 x 10 <sup>-5</sup>
Hardness	Shore D	D785	72	68	72	68
Water Absorption	%	D570	<0.1	<0.1	<0.1	<0.1

Values shown are averages and should not be used as contractual property values. Specific property value requirements should be specified in the purchase agreement.

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