Technical Data Sheet

Polystone® P homopolymer natural - ASTM (PP / P)

Product characteristics

- Excellent chemical resistance
- High weldability
- High impact strength

Product applications

- Chemical engineering & tankbuilding
- Ventilation & duct systems
- Pump parts

	Test method	Unit	Guideline Value
General properties			
Density	ASTM D792	g / cm^3	0,91
Water Absorption	ASTM D570	%	<0.10
Mechanical properties			
Hardness	ASTM D2240	Shore D	72
Tensile Strength at yield 73°F	ASTM D638	psi	4700
Izod Impact, Notched	ASTM D256	ft-lb/in	1
Coefficient of Friction, Dynamic			0.25-0.28
Thermal properties			
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10^{-5}	6
Melting Point		°F	323
Maximum Service Temperature, Air		°F	180
Heat Deflection Temperature 264psi	ASTM D648	°F	210
Flammability, UL94		1/8 inch	HB
Electrical properties			
Dielectric constant	ASTM D150	1 MHz	2.4
Dielectric strength	ASTM D149	KV/mm	45
Surface resistivity	ASTM D257	Ω/cm	>10^{14}
Compliance Properties			
FDA			Yes
NSF			No
USDA			Yes

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

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