



Natural Polypropylene

Physical Properties

Property	Method	SI Unit	SI Value	English Unit	English Value
Density	ASTM D-792	kg/m ³	920	lbs/ft ³	56.3
Yield Point	ASTM D-638	MPa	35.5	psi	5150
Elongation at Yield	ASTM D-638	%	11	%	11
Tensile Break	ASTM D-638	MPa	35.5	psi	5150
Elongation at Break	ASTM D-638	%	400	%	400
Tensile Modulus	ASTM D-638	MPa	1312	psi	190240
Flexural Modulus	ASTM D-790	MPa	1465	psi	212425
Flexural Strength	ASTM D-790	MPa	50	psi	7250
Izod Impact	ASTM D-4020	J/m	62	ft-lbx/inch	1.2
Tensile Impact	DIN 53448	kJ/m ²	565	ft-lbs/in ²	269
Hardness	ASTM D-2240	Shore D	78	Shore D	78
Melt Point	ASTM D-3417	°C	165	°F	329
Volume Resistivity	ASTM D-257	Ohm-cm	>10 ¹⁵	Ohm-cm	>10 ¹⁵
Surface Resistivity	ASTM D-257	Ohm	>10 ¹⁵	Ohm	>10 ¹⁵
Water Absorption	ASTM D-570	%	slight	%	slight

* Values are averages and are not specifications.

** ASTM test methods are under current procedures.

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