

Pinnacle Polymers 1402 C Clarified Polypropylene Homopolymer Thermoforming Grade

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Sheet/Thermoforming Grade

Material Notes:

This Pinnacle Polymers Polypropylene is made via UNIPOL™ PP technology, which utilizes gas-phase fluidized bed reactors with a high activity catalyst system to ensure uniform physical properties and lot-to-lot consistency. Features: Superior color and processing stability Good melt strength and stretchability High clarity Excellent cleanliness Applications: Extruded sheet and thermoforming requiring see-through clarity Certifications: Pinnacle's polypropylene, as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form complies with appropriate requirements of CFR Title 21, Part 177, Subpart B, Section 177.1520 (c) 1.1a entitled "Olefin Polymers" of the Food Additives Amendment of 1958 to the United States Food, Drug and Cosmetic Act of 1938. Information provided by Pinnacle Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pinnacle-Polymers-1402-C-Clarified-Polypropylene-Homopolymer-Thermoforming-Grade.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	3.0 g/10 min	3.0 g/10 min	Condition L 230/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	38.6 MPa @Thickness 3.20 mm	5600 psi @Thickness 0.126 in	At 51mm/min, injection molded ASTM Type 1 specimen; ASTM D638
Elongation at Yield	8.0 % @Thickness 3.20 mm	8.0 % @Thickness 0.126 in	At 51mm/min, injection molded ASTM Type 1 specimen; ASTM D638
Flexural Modulus	1.93 GPa @Thickness 3.20 mm	280 ksi @Thickness 0.126 in	At 1.27 mm/min, 1% secant, injection molded ASTM Type 1 specimen; ASTM D790A
Izod Impact, Notched	0.374 J/cm @Thickness 3.20 mm, Temperature 22.8 °C	0.700 ft-lb/in @Thickness 0.126 in, Temperature 73.0 °F	injection molded ASTM Type 1 specimen; ASTM D256

Optical Properties	Metric	English	Comments
Haze	16 % @Thickness 1.27 mm	16 % @Thickness 0.0500 in	plaque

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