

7135G

35 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING WITH RADIATION RESISTANCE

Product Description and Applications:

Pinnacle Polymers Polypropylene 7135G 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.

7135G is specially formulated to resist degradation when exposed to high energy radiation. This product is intended for injection molding applications that require fast cycle time, enhanced processability and excellent clarity.

This product is not formulated to contain any fluorescing agents. This product complies UPS 661.1 and ISO 10993.

Features:

The 7135G product provides:

- Radiation sterilizable
- Improved color
- Improved processability
- Excellent lot-to-lot consistency
- Excellent impact resistance

Pinnacle 7135G as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form is cleared by way of FCN 1538 for use in single- and repeated-use articles intended to contact food types I, II, IV-B, VI, VII-B and VII under the Food and Drug Administration's Conditions of Use B through H. FDA has not evaluated the use of this product in contact with infant formula or breast milk.

Typical Properties*

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	35 g/10 min.	35 g/10 min.	D1238 ¹
Density at 23°C	0.9 g/cm ³	900 kg/m ³	D1505
Heat Deflection Temperature at 0.455 MPa (66psi)	169°F	76°C	D648
Tensile yield strength, at 51 mm/min	3900 psi	26.9 MPa	D638 ²
Yield elongation, at 51 mm/min	12%	12%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	149,000 psi	1027 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	1.2 ft-lb/in	64 J/m 6.4 kJ/m ²	D256 ²
Haze (1.27 mm plaque)	9%	9%	

¹Condition L 230/2.16

²ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)

³Method G, Geometry GC

UNIPOL is a trademark of W. R. Grace and Co.

FDA and SDS documents are available on our website at: <http://www.pinnaclepolymers.com/datasds.php>