Pinnacle Polymers®

VALIDATED

• MILLAD® NX™ 8000 ENABLES AN AVERAGE OF 10% ENERGY SAVINGS FOR PRODUCTION OF CLARIFIED PP PARTS

UL.COM/ECV

6135C3

35 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 6135C3 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.

This product is intended for injection molding applications that require more stiffness, faster cycle time, low bloom, improved color, enhanced processability and excellent clarity. This product was produced using no organic peroxides. This product contains a new generation clarifier.

Features:

The 6135C3 product provides:

- Improved FDA food contact status
- Reduced cycle-time
- Excellent organoleptics
- Increased stiffness
- Low bloom
- Excellent impact resistance

Pinnacle 6135C3 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 all types of food under the Food and Drug Administration's (FDA) Conditions of Use A 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
Shrinkage	0.016 in/in	0.016 mm/mm	D955
Heat Deflection Temperature at 0.455 MPa (66psi)	175°F	79°C	D648
Tensile yield strength, at 51 mm/min	4300 psi	29.7 MPa	D638[2]
Yield elongation, at 51 mm/min	14%	14%	D638[2]
Flexural modulus (1% secant) at 1.27 mm/min	165,000 psi	1138 MPa	D790A[2]
Notched Izod impact strength, at 73°F/23°C	1.0 ft-lb/in	53 J/m 5.2 kJ/m^2	D256[2]
% Yellowness Index	Less than -10	Less than -10	
Haze (1.27 mm plaque)	9%	9%	

[1]Condition L 230/2.16
[2]ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)
[3]Method G, Geometry GC

UNIPOL is a trademark of Union Carbide Corporation