

## 7135G3

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

#### Product Description:

Pinnacle Polymers Polypropylene 7135G3 is made via UNIPOL PP technology, which utilizes gasphase fluidized bed reactors with a high activity catalyst system to ensure uniform physical properties and lot-to-lot consistency.

7135G3 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 does not contain any fluorescing agents.

#### Applications:

Healthcare applications, medical packaging and labware.

#### Features:

- Radiation sterilizable
- Radiation (Gamma) resistant
- EtO sterilizable
- E-Beam sterilizable
- Outstanding clarity and color
- Improved processability
- Excellent lot-to-lot consistency

#### Medical Regulatory:

- USP Class VI
- USP 88
- USP 661.1
- USP 85
- ISO 10993.5
- USP 87

Pinnacle 7135G3 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 <sup>1</sup>
Density at 23°C	0.9 g/cm <sup>3</sup>	900 kg/m <sup>3</sup>	D1505
Heat Deflection Temperature at 0.455 MPa (66psi)	167°F	75°C	D648
Tensile yield strength, at 51 mm/min	4130 psi	28.4 MPa	D638 <sup>2</sup>
Yield elongation, at 51 mm/min	14%	14%	D638 <sup>2</sup>
Flexural modulus (1% secant) at 1.27 mm/min	160,000 psi	1104 MPa	D790A <sup>2</sup>
Notched Izod impact strength, at 73°F/23°C	0.8 ft-lb/in	44 J/m	D256 <sup>2</sup>
Haze (1.27 mm plaque)	11%	11%	

<sup>1</sup>Condition L 230/2.16

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

<sup>3</sup>Method 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>

Technical data contained herein is furnished without fee or obligation, and is given and accepted at recipient's sole risk. Since conditions of use may vary and are beyond our control, Pinnacle Polymers makes no representation about and is not responsible or liable for the accuracy or reliability of data, nor for toxicological effects, industrial hygiene requirements, or other matters associated with particular application of any product described herein. Pinnacle Polymers disclaims any warranty, expressed or implied, regarding the information contained herein, including the implied warranty of merchantability of fitness for a particular purpose. 102123

Usage restrictions Pinnacle product shall never be used in connection with the following applications:

The manufacture of any US FDA Class III medical device, health Canada class iv medical device, or European union class iii medical device. The manufacture of implanted medical or surgical devices.

Life-sustaining medical applications.