

6180C3

80 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 6180C3 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 high melt flow, more stiffness, faster cycle time, low bloom, enhanced processability and excellent clarity. This product contains a new generation clarifier.

Features:

The 6180C3 product provides:

- Improved FDA food contact status
- Low bloom
- High melt flow, excellent processability
- Increased stiffness
- Reduced cycle-time
- Improved color
- Increased stiffness

Typical Properties

Property	Units	Test Method
Melt Flow Rate	80 g/10 min.	ATSM D1238
Density at 23°C	0.902 g/cm ³	ISO 1183-1
Heat Deflection Temperature at 0.455 MPa (66psi)	78°C	ATSM D955
Heat Deflection Temperature at 0.455 MPa (66psi)	73°C	ISO 75-1
Tensile Yield Strength, at 50 mm/min	27.9 MPa	ISO 527
Tensile Strain at Yield, at 50 mm/min	12%	ISO 527
Flexural Modulus	1160 MPa	ISO 178
Notched Izod impact strength, at 23°C	48 J/m	ATSM D256
Charpy impact strength, at 23°C	4.8 kJ/m ²	ISO 179-1
Vicat	127°C	ISO 306
% Yellowness Index	Less than -10	
Haze (1.27 mm plaque)	9%	

FDA, EU 10/2011/EC, and SDS documents are available on our website at: <https://pinnaclepolymers.com/documents-datasheets/regulatory-documents>

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

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. 053024