



INEOS HDPE J60-1700-173

INEOS Olefins & Polymers USA - Polyethylene, High Density

Monday, February 18, 2008

## General Information

### Product Description

J60-1700-173 is a high density polyethylene homopolymer. This resin is characterized by a narrow molecular weight distribution. Parts fabricated from this material exhibit excellent gloss and rigidity. This material meets the Food and Drug Administration requirements of 21CFR 177.1520. This resin is Kosher certified.

### General

Material Status	• Commercial: Active
Availability	• North America
Features	<ul style="list-style-type: none"><li>• Density, High</li><li>• Food Contact Acceptable</li><li>• Gloss, High</li><li>• Homopolymer</li><li>• Kosher Approved</li><li>• Molecular Wt. Dist., Narrow</li><li>• Rigidity, Medium</li></ul>
Agency Ratings	• FDA 21 CFR 177.1520 <sup>1</sup>
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets

## ASTM and ISO Properties <sup>2</sup>

Physical	Nominal Value Unit	Test Method
Density	0.961 g/cm <sup>3</sup>	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg )	16 g/10 min	ASTM D1238
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield ) <sup>3</sup>	4500 psi	ASTM D638
Flexural Modulus	Tangent: 225000 psi	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact	0.700 ft-lb/in	ASTM D256
Hardness	Nominal Value Unit	Test Method
Durometer Hardness (D Scale )	65	ASTM D2240
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed )	178 °F	ASTM D648
Brittle Temperature	-103 °F	ASTM D746
Vicat Softening Point	260 °F	ASTM D1525

## Notes

<sup>1</sup> When used unmodified for the manufacture of food contact articles, INEOS HDPE J60-1700-173 will comply with Food Additive Regulations FDA 21 CFR 177.1520 under the U.S. Food, Drug and Cosmetic Act. Such uses are subject to good manufacturing practices and any other limitations which are part of the statute or regulations. These should be consulted for complete details.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> 2.0 in/min