Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

J60-1700-173 Polyethylene Homopolymer

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.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	–	0.961 g/cc	**D4883**
Melt Index 190 C/2.16 kg	–	16 g/10 min	**D1238**
Melt Index 190 C/ 21.6 kg	–	355 g/10 min	**D1238**
Compression Molded Sample			
Tensile Strength (2 in/min)			**D638**
@ Yield	4,580 psi	31.6 MPa	
@ Break	2,650 psi	18.3 MPa	
Elongation (2 in/min)			**D638**
@ Yield	8%	8%	
@ Break	30%	30%	
Flexural Modulus			
2% Secant Method	184,000 psi	1,270 MPa	**D790A**
Notched Izod Impact Strength	0.59 ft-lbf/in	3.07 kJ/m^2	**D256**
Hardness			**D2240**
Shore D	62	62	
Heat Deflection Temperature	182 F	83 C	**D648**
@ 66 psi (454 kPa)			
Environmental Stress Crack Resistance			**D1693**
Condition B, 100% Igepal, F50 (hrs.)	1.4	1.4	

[1] Typical properties will vary and are not to be used for specification purposes.

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, call + 1-800-527-5419.

Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Material Safety Data Sheet (MSDS) contains the available product health and safety information for this material and can be found at **www.ineos-op.com**. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

The Material Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by INEOS is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

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