H02C-04 Polypropylene Homopolymer

H02C-04 is a low flow rate, high clarity, nucleated homopolymer designed for extrusion, thermoforming, blow molding and rigid packaging applications that require good see-through clarity combined with good heat resistance. H02C-04 utilizes new nucleator technology that gives the finished part a slight bluish hue resulting in a clearer and crisper-looking final product. Typical applications include thermoformed cups, containers and lidding; extrusion blow molded containers and bottles, injection stretch blow molded containers and bottles and extruded sheets and profiles. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.909 g/cc	**D792**
Melt Flow Rate 230°C/2.16 kg	—	2.3 g/10 min	**D1238**
Injection Molded Samples			
Tensile Strength (2 in/min)			**D638**
@ Yield	5,300 psi	36.5 MPa	
@ Break	2,700 psi	18.6 MPa	
Elongation (2 in/min)			**D638**
@ Yield	9.7 %	9.7 %	
@ Break	100 %	100 %	
Flexural Modulus			**D790A**
1% Secant	233,000 psi	1,610 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	1.2 ft-lbf/in	6.5 kJ/m²	
Gloss at 60° angle (Gloss Units)	95	95	**D2457**
Haze, @ 23°C, 50-mil (1.3mm) plaque			**D1003**
% Diffuse Transmittance	31 %	31 %	
Hardness			**D785**
Rockwell R	103	103	
Heat Deflection Temperature			**D648**
@ 66 psi (455 kPa)	230 F	110 C	
Vicat Softening Point	309 F	154 C	**D1525**

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

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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, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or 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 O&P is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

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