H02G-02 Polypropylene Homopolymer

H02G-02 is a homopolymer polypropylene designed for film and extrusion applications. Typical applications include BOPP film, thermoformed sheet, tape, twine and woven bags. 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	—	0.908 g/cc	**D792**
Melt Flow Rate 230°C/2.16 kg	—	2.0 g/10 min	**D1238**
Injection Molded Samples			
Tensile Strength (2 in/min)			**D638**
@ Yield	5,000 psi	35.4 MPa	
@ Break	2,900 psi	20.0 MPa	
Elongation (2 in/min)			**D638**
@ Yield	11.5 %	11.5 %	
@ Break	120 %	120 %	
Flexural Modulus			**D790A**
1% Secant	211,000 psi	1,460 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	0.90 ft-lbf/in	4.9 kJ/m²	
Hardness			**D785**
Rockwell R	99	99	
Heat Deflection Temperature			**D648**
@ 66 psi (455 kPa)	207 F	97 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.

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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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