H03G-06 Polypropylene Homopolymer

H03G-06 is a polypropylene homopolymer designed for BOPP applications. Applications include food packaging films, overwrap, and metallized films. Benefits include consistent high speed processing and good optical properties. This resin meets the requirements of the U.S. Food and Drug administration as specified in 12 CFR 177.1520.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.9051 g/cc	**D792**
Melt Flow Rate 230°C/2.16 kg	—	3.0 g/10 min	**D1238**
Injection Molded Samples			
Tensile Strength (2 in/min)			**D638**
@ Yield	4,903 psi	33.6 MPa	
@ Break	2,847 psi	19.5 MPa	
Elongation (2 in/min)			**D638**
@ Yield	11.9 %	11.9 %	
@ Break	145 %	145 %	
Flexural Modulus			**D790A**
1% Secant	205,500 psi	1,418 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	0.8 ft-lbf/in	4.1 kJ/m²	
Hardness			**D785**
Rockwell R	97	97	
Heat Deflection Temperature			**D648**
@ 66 psi (455 kPa)	199 F	93 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			**D1003**
% Diffuse Transmittance	71.7 %	71.7 %	
Gloss at 60 ° angle	93.7	93.7	**D2457**

[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 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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