H38G-02 Polypropylene Homopolymer

H38G-02 is a homopolymer polypropylene designed for general purpose injection molding, compounding, and high speed spinning applications. In addition to general purpose injection molding applications, it is used for the production of spun bonded nonwovens and partially oriented yarn (POY). H38G-02 exhibits excellent gas fade resistance and its narrow molecular weight distribution results in excellent processability and high line speeds. This grade 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	—	0.9064 g/cc	**D792**
Melt Flow Rate 230°C/2.16 kg	—	38 g/10 min	**D1238**
Injection Molded Samples			
Tensile Strength (2 in/min)			**D638**
@ Yield	4,873 psi	33.4 MPa	
@ Break	2,580 psi	17.7 MPa	
Elongation (2 in/min)			**D638**
@ Yield	11.0 %	11.0 %	
@ Break	530 %	530 %	
Flexural Modulus			**D790A**
1% Secant	188,500 psi	1,301 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	0.45 ft-lbf/in	2.37 kJ/m^2	
Hardness			**D785**
Rockwell R	100	100	
Heat Deflection Temperature			**D648**
@ 66 psi (455 kPa)	195 F	90.5 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			**D1003**
% Diffuse Transmittance	69.2 %	69.2 %	
Gloss at 60 ° angle	93	93	**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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