

H19G-01 Polypropylene Homopolymer

H19G-01 is a homopolymer polypropylene designed for the extrusion of continuous filament yarn, continuous bulked filament yarn and staple fiber. Its benefits include consistent processing, color stability, and excellent spinning characteristics. H19G-01 meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.9104 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	19 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	5,397 psi	37.2 MPa	
@ Break	3,493 psi	24.1 MPa	
Elongation (2 in/min)			D638
@ Yield	8.9 %	8.9 %	
@ Break	22.9 %	22.9 %	
Flexural Modulus			D790A
1% Secant	258,000 psi	1,780 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.5 ft-lbf/in	2.8 kJ/m ²	
Hardness			D785
Rockwell R	105	105	
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	226 F	109 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	79 %	79 %	
Gloss at 60 ° angle	95	95	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 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.

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

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