

H07N-00 Polypropylene Homopolymer

H07N-00 is a nucleated homopolymer polypropylene designed for extrusion processing. Typical applications include cast film with higher stiffness requirements; cast film for hot-pack cheese applications, and flexible packaging. Performance of this resin can be customized by the addition of technical additives such as slip or anti-block by the film manufacturer. This resin 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	—	0.9015 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	7.3 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	5,773 psi	39.8 MPa	
@ Break	2,903 psi	20.0 MPa	
Elongation (2 in/min)			D638
@ Yield	6.53 %	6.53 %	
@ Break	31.2 %	31.2 %	
Flexural Modulus			D790A
1% Secant	304,000 psi	2,097 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.49 ft-lbf/in	2.59 kJ/m ²	
Hardness			D785
Rockwell R	107	107	
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	260 F	127 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	38 %	38 %	
Gloss at 60 ° angle	94	94	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.

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

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