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 Properties[1]

	Values		ASTM
	English Units	SI Units	Method
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.

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