

# H13M-00 Polypropylene Homopolymer

H13M-00 is a medium-term heat aging polypropylene homopolymer designed for injection molding applications such as automotive parts, appliances and medical and rigid packaging. This grade benefits from a good retention of physical properties when exposed to higher in-service temperatures over an extended period of time, even following hot-water extraction. This material has been recognized by UL for sustained use at 100°C and meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

## Typical Properties<sup>1</sup>

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.911 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	13.5 g/10 min	D1238
<b>Injection Molded Samples</b>			
Tensile Strength (2 in./min)			D638
@ Yield	5,360 psi	37.0 MPa	
@ Break	2,475 psi	17.0 MPa	
Elongation (2 in./min)			D638
@ Yield	—	9.1 %	
@ Break	—	135 %	
Flexural Modulus			D790A
1% Secant	240,000 psi	1,655 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.6 ft-lb <sub>f</sub> /in	3.1 kJ/m <sup>2</sup>	
Hardness			D785
Rockwell R	—	105	
Deflection Temperature			D648
@ 66 psi (455 kPa)	221 F	105 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	—	76 %	
Gloss at 60 ° angle	—	92	D2457
UL Recognition (6 mm thickness)			UL94
Relative Temperature Index	212 F	100 C	
Flammability Classification	—	HB	

<sup>1</sup> Typical properties; 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](http://www.ineos-op.com), or call + 1-800-527-5419.

## Health and Safety Information

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](http://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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