

H14A-00 Polypropylene Homopolymer

H14A-00 is an antistatic polypropylene homopolymer designed for injection molding applications such as consumer products, housewares, medical packaging, and rigid packaging. The grade benefits from fast cycle times, high flow rate, and a low static charge. This material has been recognized by UL for sustained use at 65 C and 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	—	0.906 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	14.3 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in./min)			D638
@ Yield	5,060 psi	34.9 MPa	
@ Break	2,565 psi	17.7 MPa	
Elongation (2 in./min)			D638
@ Yield	—	9 %	
@ Break	—	195 %	
Flexural Modulus			D790A
1% Secant	237,000 psi	1,634 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.5 ft-lb _f /in	2.4 kJ/m ²	
Hardness			D785
Rockwell R	—	103	
Deflection Temperature			D648
@ 66 psi (455 kPa)	198 F	92 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	—	82%	
Gloss at 60 ° angle	—	93	D2457
UL Recognition (3 mm thickness)			UL94
Relative Temperature Index	149 F	65 C	
Flammability Classification	—	HB	

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.

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. 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:

INEOS Olefins & Polymers, USA

Marina View Building
2600 South Shore Boulevard
Suite 500
League City, Texas 77573
Phone: +1 281 535 6600
Fax: +1 281 535 6764
Customer Service: +1 800 527 5419
Tech Service: +1 800 338 0489
www.ineos-op.com

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2600 South Shore Boulevard, Ste. 500
League City, TX 77573
Tel: 281-535-6600
www.ineos-op.com

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