H12Z-00 Polypropylene Homopolymer

H12Z-00 is a nucleated and antistatic polypropylene homopolymer designed for injection molding applications such as caps and closures, consumer products, furniture, housewares, and rigid packaging. The grade benefits from fast cycle times, high stiffness, and low static charge. This material has been recognized by UL as flame class HB and 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	—	0.912 g/cc	**D792**
Melt Flow Rate 230°C/2.16 kg	—	12 g/10 min	**D1238**
Injection Molded Samples			
Tensile Strength (2 in/min)			**D638**
@ Yield	5,430 psi	37.5 MPa	
@ Break	2,610 psi	18.0 MPa	
Elongation (2 in/min)			**D638**
@ Yield	—	8.6 %	
@ Break	—	78 %	
Flexural Modulus			**D790A**
1% Secant	265,900 psi	1,833 MPa	
Notched Izod Impact Strength			**D256**
@ 23 C	0.7 ft-lb_f/in	3.8 kJ/m^2	
Hardness			**D785**
Rockwell R	—	103	
Deflection Temperature			**D648**
@ 66 psi (455 kPa)	248 F	120 C	
Haze @ 23°C, 50-mil (1.3mm) plaque			**D1003**
% Diffuse Transmittance	—	55%	
Gloss at 60° angle (Gloss Units)	—	92	**D2457**
UL Recognition (3 mm thickness)			**UL94**
Flammability Classification	—	HB	

[1] Typical properties will vary and not to be used for specifications.

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

INEOS Olefins & Polymers USA

Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

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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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