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

H20H-00 Polypropylene Homopolymer

H20H-00 is a homopolymer polypropylene designed for use in injection molding applications requiring high temperature resistance. H20H-00 has excellent long-term heat aging stability and superior extraction resistance in hot aqueous solutions making it an excellent candidate for use in washing machines, dishwashers, coffee makers, other appliances, automotive and compounding applications. This grade has been recognized by UL for sustained use at 130 C, meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. This product is not recommended for taste or odor sensitive applications.

Typical Properties[1]

	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	—	0.9040 g/cc	**D792**
Melt Flow Rate 230°C/2.16 kg	—	20.5 g/10 min	**D1238**
Injection Molded Samples			
Tensile Strength (2 in/min)			**D638**
@ Yield	4,787 psi	33.0 MPa	
@ Break	2,210 psi	15.2 MPa	
Elongation (2 in/min)			**D638**
@ Yield	11.7 %	11.7 %	
@ Break	168 %	168 %	
Flexural Modulus (0.05 in/min)			**D790**
1% Secant	197,700 psi	1,364 MPa	
Notched Izod Impact Strength			**D256**
@ 23°C	0.68 ft-lbf/in	3.54 kJ/m^2	
Hardness			**D785**
Rockwell R	98	98	
Deflection Temperature			**D648**
@ 66 psi (455 kPa)	219 °F	104 °C	
Haze @ 23°C, 50-mil (1.3mm) plaque			**D1003**
% Diffuse Transmittance	72 %	72 %	
Gloss at 60 ° angle	**93**	**93**	**D2457**
UL Recognition			
Relative Thermal Index	266 °F	130 °C	

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Flammability Classification	HB	HB	**UL94**

[1] 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, 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:

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