

# H04W-01 Polypropylene Homopolymer

Grade H04W-01 is a homopolymer designed for extrusion processing in applications that require low water-carry-over. Typical applications include Carpet Backing, Woven Bags, and Twine. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(c)1.1a.

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

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.9037 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	4.2 g/10 min	D1238
<b>Injection Molded Samples</b>			
<b>Tensile Strength (2 in/min)</b>			<b>D638</b>
@ Yield	5,327 psi	36.5 MPa	
@ Break	2,563 psi	17.6 MPa	
<b>Elongation (2 in/min)</b>			<b>D638</b>
@ Yield	9.3%	9.3%	
@ Break	131%	131%	
<b>Flexural Modulus</b>			<b>D790A</b>
1% Secant	243,000 psi	1,677 MPa	
<b>Notched Izod Impact Strength</b>			<b>D256</b>
@ 23°C	0.6 ft-lbf/in	3.2 kJ/m <sup>2</sup>	
<b>Hardness</b>			<b>D2240</b>
Rockwell R	103	103	
<b>Deflection Temperature</b>			<b>D648</b>
@ 66 psi (455 kPa)	226°F	108°C	
<b>Haze @ 23°C, 50-mil (1.3mm) plaque</b>			<b>D1003</b>
% Diffuse Transmittance	76.7%	76.7%	
UL Listing designations			

<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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