

# H03W-01 Polypropylene Homopolymer

Homopolymer H03W-01 belongs to the new generation of polypropylenes produced by gas-phase polymerization. This nominal 4 melt-flow-index product is specifically designed for fiber applications, which require low-water-carryover characteristics coupled with good melt and thermal stability in the finished product.

Specific applications for H03W-01 include cordage, carpet backing, industrial fabrics and geotextiles. Product grade H03W-01 meets FDA requirements of 21CFR 177.1520.

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

Resin	Value	Method
Density, g/cc	0.905	D792
Melt-Flow Index, 2.16kg at 230°C, g/10 min	4.0	D1238
Tensile Strength		
at Yield, 2 in/min, psi (MPa)	4,900 (33.8)	D638
Elongation		
at Yield, 2 in/min, %	9	D638
Flexural Modulus		
1% Secant at 0.05 in/min, kpsi (MPa)	230 (1,587)	D790A
Notched-Izod Impact Strength		
at 23°C, ft-lb <sub>f</sub> /in (kJ/m <sup>2</sup> )	0.4 (2.15)	D256
Hardness, Shore D	74	D2240
Melting Temperature, °C	160	3418
Crystallization Temperature, °C	110	3418

<sup>1</sup>Typical properties will vary within specification limits.

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

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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, send an e-mail to: [OPMSDS@innovene.com](mailto:OPMSDS@innovene.com).

## Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained by calling + 1-800-527-5419 (Toll Free - North America), or by sending an e-mail to: [OPMSDS@innovene.com](mailto:OPMSDS@innovene.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 Innovene 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  
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.innovene.com](http://www.innovene.com)

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League City, TX 77573  
Tel: 281-535-6600  
[www.ineos.com](http://www.ineos.com)

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