

# H05H-01 Polypropylene Homopolymer

Grade H05H-01 is a homopolymer polypropylene for injection molding applications. It is an excellent long-term heat aging grade and offers superior extraction resistance in hot aqueous solutions. This makes it an excellent candidate for use in washing machines, dishwashers, and coffee makers. This material has been recognized by UL for sustained use at 130 ° C and meets the requirements of the U.S. Food and Drug Administration specified in 21 CFR 177.1520 and is Drug Master File listed.

## Applications

- Appliances
- Automotive

## Benefits

- Excellent long term heat stability
- Extraction resistance
- High temperature properties
- UL recognized

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

Resin	Value	Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	5.6	D1238
<b>Injection Molded Sample</b>		
Tensile at 23°C		D638
Strength at Yield, psi (MPa)	5,650 (39)	
Elongation at yield, %	9.1	
Elongation at Break, %	212	
Flexural Modulus, at 23°C, kpsi (MPa)	244 (1,680)	D790A
Heat Deflection Temperature at 66 psi, (455 kPa), °F (°C)	212 (100)	D648
<b>UL Recognition</b>		
Relative Thermal Index, °C	130	
Flammability Classification	94HB	UL94

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

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Olefins & Polymers USA



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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.

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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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