INEOS
Olefins & Polymers USA

# H19G-01

POLYPROPYLENE HOMOPOLYMER

TECHNICAL DATASHEET

## Product Description

H19G-01 is a polypropylene homopolymer designed for the extrusion of continuous filament yarn, continuous bulked filament yarn and staple fiber. Its benefits include consistent processing, color stability, and excellent spinning characteristics. H19G-01 meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.[1]

## Typical Properties[2]

| Property | English Units | SI Units | ASTM Method |
|---|---|---|---|
| **Resin Properties** | | | |
| Density | | 0.910 g/cc | D792 |
| Melt Flow Rate (230°C/2.16 kg) | | 19 g/10 min | D1238 |
| **Injection Molded Specimen Test** | | | |
| Tensile Strength (2 in/min) @ Yield | 5,400 psi | 37 MPa | D638 |
| Elongation (2 in/min) @ Yield | 8.9 % | 8.9 % | D638 |
| Flexural Modulus, 1% Secant | 258,000 psi | 1,780 MPa | D790A |
| Notched Izod Impact Strength @ 23°C | 0.5 ft-$lb_f$/in | 2.8 kJ/$m^2$ | D256 |
| Hardness, Rockwell R | 105 | 105 | D785 |
| HDT @ 66 psi (455 kPa) | 226 °F | 109 °C | D648 |
| Gloss Units, 60° Angle | 95 | 95 | D2457 |

[1]Consult the Regulatory Position Statement for specific use conditions and limitations.
[2]Typical property values will vary and are not to be used as specification limits.

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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 Safety Data Sheet (SDS) 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 SDS for the product under consideration for use.

The 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 SDS of the original material should not be used.

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