

# H38G-02 Polypropylene Homopolymer

Grade H38G-02 is a polypropylene homopolymer for general purpose injection molding and high speed spinning applications. It is useful for spun bonded nonwovens and partially oriented yarn (POY). This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

## Applications

- Fiber and tape
- General purpose injection molding
- Nonwoven fabrics
- Partially oriented yarn
- Staple fiber

## Benefits

- Excellent gas fade resistance
- Excellent processability
- High line speeds
- Narrow molecular weight distribution

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

| Resin   | Value        | Method |
|---|--------------|--------|
| Melt Flow Rate, 2.16 kg at 230°C, g/10 min                            | 38           | D1238  |
| <b>Injection Molded Sample</b>  |              |        |
| Tensile at 23°C   |              | D638   |
| Strength at Yield, psi (MPa)  | 5,475 (37.8) |        |
| Elongation at Yield, %  | 8.9          |        |
| Elongation at Break, %  | 20           |        |
| Flexural Modulus, at 23°C, kpsi (MPa)                                 | 229 (1,576)  | D790A  |
| Heat Deflection Temperature at 66 psi, (455 kPa), °F (°C)             | 227 (109)    | D648   |
| Izod Impact Strength, 1/8" (3 mm) notched bar at 23°C, ft-lb/in (J/m) | 0.5 (25.6)   | D256   |

<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 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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