

H05A-01

POLYPROPYLENE HOMOPOLYMER

TECHNICAL DATASHEET

Product Description

Grade H05A-01 is an antistatic polypropylene homopolymer designed for use in injection molding and extrusion applications. Typical applications are consumer products, housewares, medical packaging, and rigid packaging. This grade has been recognized by UL for sustained use at 65°C and meets the requirements of the U.S. Food and Drug Administration specified in 21 CFR 177.1520.¹

Typical Properties²

| Property | English Units | SI Units | ASTM Method |
|---|---------------|-----------------------|-------------|
| Resin Properties | | | |
| Density | | 0.911 g/cc | D792 |
| Melt Flow Rate (230°C/2.16 kg) | | 5.1 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 | 9.2 % | 9.2 % | D638 |
| Flexural Modulus, 1% Secant | 249,000 psi | 1,710 MPa | D790A |
| Notched Izod Impact Strength @ 23°C | 0.7 ft-lb/in | 3.4 kJ/m ² | D256 |
| Hardness, Rockwell R | 103 | 103 | D785 |
| HDT @ 66 psi (455 kPa) | 220 °F | 104 °C | D648 |
| Gloss Units, 60° Angle | 93 | 93 | D2457 |
| UL Recognition (3mm Thickness) | | | |
| Flammability Classification 1.50 mm, NC, 3.00 mm, NC | | HB | UL94 |
| Relative Temperature Index | 149 °F | 65 °C | UL 746B |

¹Consult the Regulatory Position Statement for specific use conditions and limitations.

²Typical property values will vary and are not to be used as specification limits.

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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