

H05A-00 Polypropylene Homopolymer

Grade H05A-00 is an antistatic polypropylene homopolymer with crack resistance and low static charge used 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 and is Drug Master File listed.

Typical Properties¹

| | Values | | ASTM Method |
|---|----------------|-----------------------|-------------|
| | English Units | SI Units | |
| Resin | | | |
| Density | — | 0.911 g/cc | D792 |
| Melt Flow Rate 230°C/2.16 kg | — | 5.1 g/10 min | D1238 |
| Injection Molded Samples | | | |
| Tensile Strength (2 in/min) | | | D638 |
| @ Yield | 5,350 psi | 36.9 MPa | |
| @ Break | 2,610 psi | 18.0 MPa | |
| Elongation (2 in/min) | | | D638 |
| @ Yield | — | 9.2 % | |
| @ Break | — | 142 % | |
| Flexural Modulus | | | D790A |
| 1% Secant | 249,000 psi | 1,710 MPa | |
| Notched Izod Impact Strength | | | D256 |
| @ 23 C | 0.76 ft-lbf/in | 4.0 kJ/m ² | |
| Hardness | | | D785 |
| Rockwell R | — | 103 | |
| Deflection Temperature | | | D648 |
| @ 66 psi (455 kPa) | 220 F | 104 C | |
| Haze @ 23°C, 50-mil (1.3mm) plaque | | | D1003 |
| % Diffuse Transmittance | — | 73 % | |
| Gloss at 60° angle | — | 93 | D2457 |
| UL Recognition (3.0 mm thickness) | | | UL94 |
| Relative Temperature Index | 149 F | 65 C | |
| Flammability Classification | — | HB | |

¹ Typical properties will vary and are not to be used for specifications.

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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 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. 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.

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