

H35Z-00 Polypropylene Homopolymer

H35Z-00 is a high flow rate, nucleated and antistated homopolymer designed for injection molding applications. Typical applications include consumer products, housewares, medical components and thin-walled rigid packaging. Benefits include high flow rate, fast cycle times, good molding performance in thin-wall parts, low static charge and improved toughness. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties¹

| | Values | | ASTM Method |
|---------------------------------|----------------|------------------------|-------------|
| | English Units | SI Units | |
| Resin | | | |
| Density | — | 0.900 g/cc | D792 |
| Melt Flow Rate 230°C/2.16 kg | — | 35.0 g/10 min | D1238 |
| Injection Molded Samples | | | |
| Tensile Strength (2 in/min) | | | D638 |
| @ Yield | 5,800 psi | 40.0 MPa | |
| Elongation (2 in/min) | | | D638 |
| @ Yield | 7.0 % | 7.0 % | |
| Flexural Modulus | | | D790A |
| 1% Secant | 252,000 psi | 1,737 MPa | |
| Notched Izod Impact Strength | | | D256 |
| @ 23 C | 0.55 ft-lbf/in | 2.86 kJ/m ² | |
| Hardness | | | D785 |
| Rockwell R | 108 | 108 | |
| Deflection Temperature | | | D648 |
| @ 66 psi (455 kPa) | 244 F | 118 C | |
| Gloss at 60 ° angle | 91 | 91 | D2457 |

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

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