

DOW H700-12

HOMOPOLYMER

Complies with:

- U.S.FDA 21 CFR 177.1520 (c) 1.1
- FDA-DMF
- Underwriters Laboratories Inc.
- Europe EU-Directive 2002/72/EC
- London Metal Exchange – Part 6B Rules - Polypropylene

Consult the regulations for complete details.

DOW H700-12 Polypropylene Resin is intended for use in injection molding processes and is particularly suited for rigid packaging. This product is UL listed.

Physical Properties	Test Method	Values ⁽¹⁾ English (SI)
Resin Properties		
Melt Flow Rate (230°C), g/10 min	ASTM D 1238	12
Density, g/cc	ASTM D 792	0.90
DSC Melting Point, °F (°C)	Dow Method	324 (162)
Molded Part Properties⁽²⁾		
Tensile Strength at Yield, psi (MPa)	ASTM D 638	4800 (33)
Tensile Elongation at Yield, %	ASTM D 638	10
Flexural Modulus, psi (MPa)	ASTM D 790	210,000 (1450)
Notched Izod Impact @ 23°C (74°F), ft·lbf/in. (J/m)	ASTM D 256A	0.8 (43)
Deflection Temperature Under Load @ 66 psi (0.45 MPa), unannealed, °F (°C)	ASTM D 648	203 (95)

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- use as a critical component in medical devices that support or sustain human life; or
- use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

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