

AMERICOLENE® H12-IM



Polypropylene Homopolymer For Injection Molding

Technical Data Sheet

AMERICOLENE® H12-IM is a homopolymer polypropylene H12-IM is intended for general-purpose injection molding such as resin furniture, closures, and consumer product applications. The material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. The H12-IM product provides:

- Excellent color and processing stability
- Good flow characteristics
- Excellent organoleptic properties.

NOMINAL RESIN PROPERTIES	NOMINAL VALUE (ENGLISH)	NOMINAL VALUE (SI)	METHOD
Melt Flow Rat	12 g/10 min	12 g/10 min.	D1238
Density at 23°C	0.908 g/cm ³	908 kg/m ³	D1505
Shrinkage	0.014 in/in	0.014 mm/mm	D955
Heat Deflection Temperature at 0.455 MPa (66psi)	216°F	102°C	D638
Yield elongation, at 51 mm/min	5300 psi	36.5 MPa	D638
Yield elongation, at 51 mm/min	9%	9%	D638
Flexural modulus (1% secant) at 1.27 mm/min	240,000 psi	1654 MPa	D790A
Notched Izod impact strength, at 73°F/23°C	0.54 ft-lb/in	2.8 J/m 3.1 kJ/m²	D256

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Any inquiries regarding this data sheet should be addressed to: 11824 Jollyville Rd Austin, TX 78759 · Phone (800) 729 5417 · Fax: (512) 992 0225

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