

M. Holland Company IS300 Polystyrene, High Impact (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Uses: Audio Tapes, Household Goods, Toys Approvals: FDA 21 CFR 177.1520 Processing Method: Injection Molding Information provided by M. Holland.

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Holland-Company-IS300-Polystyrene-High-Impact-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Melt Flow	8.0 g/10 min @Load 5.00 kg, Temperature 200 °C	8.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.7 MPa	3000 psi	Type I, 2 in/min; ASTM D638
Flexural Strength	48.3 MPa	7000 psi	at 0.05 in/min; ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	at 0.05 in/min; ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.4 °C	175 °F	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Form	Pellets	

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