

M. Holland Company IS410 Polystyrene, High Impact (discontinued **)

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

Material Notes:

Features: Good Colorability, High Flow, Impact Modified Uses: Household Goods, Modeling Material, 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-IS410-Polystyrene-High-Impact-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Melt Flow	13 g/10 min @Load 5.00 kg, Temperature 200 °C	13 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.5 MPa	3550 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	46.9 MPa	6800 psi	at 10 in/min; ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	at 10 in/min; ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	87.8 °C	190 °F	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Form	Pellets	

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