

M. Holland Company PS20 Polystyrene, Ignition Resistant (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Flame Retardant

Material Notes:

Additives: Ignition ResistantFeatures: Flame RetardantUses: Appliance Components, Business Equipment, Electrical/Electronic

ApplicationsApprovals: FDA 21 CFR 177.1520Processing Method: Injection MoldingInformation provided by M. Holland.

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Holland-Company-PS20-Polystyrene-Ignition-Resistant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Melt Flow	7.5 g/10 min @Load 5.00 kg, Temperature 200 °C	7.5 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	61	61	ASTM D785
Tensile Strength at Break	25.2 MPa	3650 psi	ASTM D638
Tensile Strength, Yield	26.1 MPa	3790 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256
Gardner Impact	5.99 J	4.42 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	Unannealed; ASTM D648
Vicat Softening Point	100 °C	212 °F	ASTM D1525
Flammability, UL94	V-0	V-0	for 0.0630 in
	5VA	5VA	5VA for 0.125 in

Descriptive Properties	Value	Comments
Form	Pellets	

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