

## M. Holland Company GS411 Polystyrene (discontinued \*\*)

Category : Polymer , Thermoplastic , Polystyrene (PS)

**Material Notes:**

Features: Good Crack Resistance, Crystal, Fast Cycle (Production), Good FlowUses: Disposable Drinkware, Electrical/Electronic

ApplicationsApprovals: FDA 21 CFR 177.1640 Processing Method: Extrusion, Injection MoldingInformation provided by M. Holland.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_M-Holland-Company-GS411-Polystyrene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_M-Holland-Company-GS411-Polystyrene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792
Melt Flow	11 g/10 min @Load 5.00 kg, Temperature 200 °C	11 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.9 MPa	5500 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Tensile Modulus	3.07 GPa	445 ksi	ASTM D638
Flexural Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	3.45 GPa	500 ksi	ASTM D790
Izod Impact, Notched	0.187 J/cm	0.350 ft-lb/in	0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	91.7 °C	197 °F	Unannealed; ASTM D648
Vicat Softening Point	98.9 °C	210 °F	ASTM D1525

Descriptive Properties	Value	Comments
Form	Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

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