

## Network Polymers 779 Polystyrene

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

**Material Notes:**

Description: Ignition Retardant Information provided by Network Polymers Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Network-Polymers-779-Polystyrene.php](http://www.lookpolymers.com/polymer_Network-Polymers-779-Polystyrene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Melt Flow	4.5 g/10 min @Load 5.00 kg, Temperature 200 °C	4.5 g/10 min @Load 11.0 lb, Temperature 392 °F	Procedure A Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.6 MPa	2700 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Strength	26.2 MPa	3800 psi	ASTM D790
Flexural Modulus	1.79 GPa	260 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	Injection Molding; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	82.2 °C	180 °F	ASTM D648
Vicat Softening Point	96.0 °C	205 °F	ASTM D1525

Descriptive Properties	Value	Comments
Color Stability	min 3	Change in E at 300 hours; ASTM D4459

## Contact Songhan Plastic Technology Co.,Ltd.

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