

## Techmer ES Plastiblend® PC/ASA FR1508 UV

Category : Polymer , Thermoplastic , ASA Polymer , Polycarbonate (PC) , Polycarbonate/ASA Alloy, Unreinforced

### Material Notes:

Availability: North America  
Forms: Pellets  
Additive: Flame Retardant and UV Stabilizer  
Features: Flame Retardant, Good UV Resistance and Halogen Free  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Plastiblend-PCASA-FR1508-UV.php](http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PCASA-FR1508-UV.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.24 % @Time 86400 sec	0.24 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0045 cm/cm @Thickness 3.17 mm	0.0045 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	45 g/10 min @Load 5.00 kg, Temperature 260 °C	45 g/10 min @Load 11.0 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	64.8 MPa	9400 psi	ASTM D638
Elongation at Break	27 %	27 %	ASTM D638
Elongation at Yield	3.5 %	3.5 %	ASTM D638
Flexural Yield Strength	84.1 MPa	12200 psi	ASTM D790
Flexural Modulus	2.59 GPa	375 ksi	ASTM D790
Izod Impact, Notched	1.87 J/cm @Thickness 3.17 mm	3.50 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	72.0 µm/m-°C	40.0 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	98.9 °C	210 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	96.1 °C	205 °F	Unannealed; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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