

## Network Polymers NPP 1418

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

**Material Notes:**

Description: Black Polycarbonate Polyester Alloy Information provided by Network Polymers Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Network-Polymers-NPP-1418.php](http://www.lookpolymers.com/polymer_Network-Polymers-NPP-1418.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hours at 73°F; ASTM D570
Water Absorption at Saturation	0.35 %	0.35 %	73°F; ASTM D570
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
Melt Flow	6.0 g/10 min @Load 3.80 kg, Temperature 230 °C	6.0 g/10 min @Load 8.38 lb, Temperature 446 °F	Procedure A Condition I; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	53.8 MPa	7800 psi	chs 2 in/min; ASTM D638
Elongation at Break	27 %	27 %	ASTM D638
Flexural Modulus	2.18 GPa	316 ksi	Tangent (chs speed 0.05 in/min); ASTM D790
Izod Impact, Notched	6.41 J/cm	12.0 ft-lb/in	Test Method A (0.125 in bar); ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	107 °C	225 °F	0.125 in bar, Unannealed/Conditioned 48 hours; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China