

## Shinkong Synthetic Fibers Shinblend® A724 PC/PBT, High Impact

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

**Material Notes:**

Information from Shinkong Synthetic Fibers Corp.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shinkong-Synthetic-Fibers-Shinblend-A724-PCPBT-High-Impact.php](http://www.lookpolymers.com/polymer_Shinkong-Synthetic-Fibers-Shinblend-A724-PCPBT-High-Impact.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Water Absorption	0.14 %	0.14 %	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	53.9 MPa	7820 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Yield Strength	75.5 MPa	11000 psi	ASTM D790
Flexural Modulus	2.01 GPa	292 ksi	ASTM D790
Izod Impact, Notched	7.35 J/cm	13.8 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	7.85 J/cm	14.7 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -20.0 °C	@Thickness 0.125 in, Temperature -4.00 °F	
	8.83 J/cm	16.5 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	105 °C	221 °F	ASTM D648

**Contact Songhan Plastic Technology Co.,Ltd.**

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