

**TRILOY® 180**

Samyang Corporation - Polycarbonate + PBT

**General Information**
**Product Description**

TRILOY® is the PC based compound resin, designed to meet customer's challenging application requirements. TRILOY® has good impact resistance, heat resistance, and excellent processability, which makes it suitable for precision parts.

**General**

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Interior Parts • Electrical/Electronic Applications	

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	32	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.118 in)	7.0E-3 to 0.012	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8820	psi	ASTM D638
Tensile Elongation (Yield)	120	%	ASTM D638
Flexural Modulus	320000	psi	ASTM D790
Flexural Strength (Yield)	12500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	11	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ASTM D648

