

TRILOY® PA180

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	

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.21		ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	15	g/10 min	ASTM D1238
Water Absorption (24 hr, 73°F)	0.20	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	7110	psi	ASTM D638
Tensile Elongation (Yield)	100	%	ASTM D638
Flexural Modulus	284000	psi	ASTM D790
Flexural Strength (Yield)	11400	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	13	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	223	°F	ASTM D648

