

**TRILOY® TP270W**

Samyang Corporation - Polycarbonate + ABS

**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	• Electrical/Electronic Applications • Television Housings		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	40	g/10 min	ASTM D1238
Water Absorption (24 hr, 73°F)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7110	psi	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus	597000	psi	ASTM D790
Flexural Strength (Yield)	11400	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.55	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	180	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94

