

TRILOY® 220PNH18

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 ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Melt Mass-Flow Rate (MFR) (270°C/10.0 kg)	38	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.118 in)	3.0E-3 to 5.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6540	psi	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	612000	psi	ASTM D790
Flexural Strength (Yield)	11800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.2	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	181	°F	ASTM D648

Notes

¹ Typical properties: these are not to be construed as specifications.
