

TRILOY® 540

Samyang Corporation - Polycarbonate + ASA

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
Forms	• Pellets		

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.16		ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	5.0E-3 to 7.0E-3	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.20	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	5970	psi	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus	270000	psi	ASTM D790
Flexural Strength (Yield)	9250	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	5.5	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	117		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	239	°F	ASTM D648

Notes

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

