

TRILOY® 210PG

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	• Automotive Applications	• Automotive Exterior Parts	• Automotive Interior Parts

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.17		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	21	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.118 in)	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)	6400	psi	ASTM D638
Tensile Elongation (Yield)	50	%	ASTM D638
Flexural Modulus	299000	psi	ASTM D790
Flexural Strength (Yield)	9250	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	10	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness	115		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	212	°F	ASTM D648
CLTE - Flow	4.6E-6	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	9.0E+16	ohms·cm	ASTM D257
Dielectric Strength	760	V/mil	ASTM D149
Dielectric Constant	3.00		ASTM D150
Dissipation Factor	9.0E-3		ASTM D150
Arc Resistance	120	sec	ASTM D495

