

TRILOY® 210GNH20

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
Features	• Flame Retardant
Uses	• Electrical/Electronic Applications
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0E-3 to 3.0E-3	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12800	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	782000	psi	ASTM D790
Flexural Strength (Yield)	16400	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.5	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	194	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.08 in)	V-1		UL 94

