

TRILOY® 615

Samyang Corporation - Polycarbonate Alloy

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	• High Heat Resistance
Forms	• Pellets

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23		ASTM D792
Melt Mass-Flow Rate (MFR) (315°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	7.0E-3 to 0.012	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10700	psi	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	341000	psi	ASTM D790
Flexural Strength (Yield)	12100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	6.4	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	307	°F	ASTM D648

Notes

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