

**TRIREX® Compound 3025GR10**

Samyang Corporation - Polycarbonate

**General Information**
**Product Description**

Polycarbonates provides excellent mechanical properties, dimensional stability, and good electrical property. Widely used in various industrial fields such as electronics, automobiles.

**General**

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Uses	• Electrical/Electronic Applications

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	14	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)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8530	psi	ASTM D638
Tensile Elongation (Yield)	180	%	ASTM D638
Flexural Modulus	313000	psi	ASTM D790
Flexural Strength (Yield)	13500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	15	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	120		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	270	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.020 in)	V-0		UL 94

