

TRIEX® Compound 3025GW10

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 ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	21	g/10 min	ASTM D1238
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)	110	%	ASTM D638
Flexural Modulus	299000	psi	ASTM D790
Flexural Strength (Yield)	12800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	12	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	266	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.020 in)	V-0		UL 94

Notes

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

