

TRIREX® Compound SM3-3010H

Samyang Corporation - Polycarbonate

General Information

Product Description

Si-PC (Siloxane PC) is a polycarbonate-polysiloxane copolymer, having excellent low temperature ductility, impact toughness and chemical resistance.

General

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

 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)	10	g/10 min	ASTM D1238
Water Absorption (24 hr, 73°F)	0.16	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8250	psi	ASTM D638
Tensile Elongation (Yield)	100	%	ASTM D638
Flexural Modulus	277000	psi	ASTM D790
Flexural Strength (Yield)	11100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	13	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	262	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.03 in)	V-2		UL 94

Notes

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

