

**TRIREX® Compound SC4-3022PN1**

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	• Medical Device Housings	• Medical Devices	

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/5.0 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.118 in)	4.0E-3 to 6.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7110	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	240000	psi	ASTM D790
Flexural Strength (Yield)	9530	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	13	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	219	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	V-0		

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

