

**TRIREX® Compound SO4-3025UPNT**

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	• Appliance Components

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.18		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Water Absorption (24 hr, 73°F)	0.15	%	ASTM D570
<b>Mechanical</b>			
<b>Nominal Value Unit Test Method</b>			
Tensile Strength (Yield)	8530	psi	ASTM D638
Tensile Elongation (Yield)	100	%	ASTM D638
Flexural Modulus	299000	psi	ASTM D790
Flexural Strength (Yield)	12800	psi	ASTM D790
<b>Impact</b>			
<b>Nominal Value Unit Test Method</b>			
Notched Izod Impact (73°F)	15	ft-lb/in	ASTM D256
<b>Thermal</b>			
<b>Nominal Value Unit Test Method</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	266	°F	ASTM D648
<b>Flammability</b>			
<b>Nominal Value Unit Test Method</b>			
Flame Rating			UL 94
0.030 in		HB	
0.06 in		V-0	
0.10 in	•	V-0	
	•	5VB	

