

Styron CALIBRE® SF 7070 Polycarbonate, 7% Glass Reinforced Structural Foam Grade

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Foam

Material Notes:

CALIBRE® SF7070. is a 7% glass reinforced structural foam ignition resistant polycarbonate resin specially developed for injection molding processing. The CALIBRE 7070 resin provides a high flexural modulus and dimensional stability while maintaining processability and high impact strength. CALIBRE SF7070 is UL listed. CALIBRE SF7070 structural foam resin is typically used for components of transportation equipment, internal machine structures and business machine housings. Available Melt Flow Rate: 15. Data provided by Dow Chemical. This product line was spun off from Dow Chemical to Styron in 2010.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-CALIBRE-SF-7070-Polycarbonate-7-Glass-Reinforced-Structural-Foam-Grade.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM Data
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	
Melt Flow	15 g/10 min @Load 1.20 kg, Temperature 300 °C	15 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM Data

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM Data
Elongation at Break	6.0 %	6.0 %	ASTM Data
Tensile Modulus	2.28 GPa	331 ksi	ASTM Data

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	56.7 µm/m-°C @Temperature 20.0 °C	31.5 µin/in-°F @Temperature 68.0 °F	ASTM data
Deflection Temperature at 0.46 MPa (66 psi)	143 °C	289 °F	Unannealed; ASTM Data
Deflection Temperature at 1.8 MPa (264 psi)	134 °C	273 °F	Unannealed; ASTM Data
Flammability, UL94	V-0	V-0	UL94 V-0/5V at 3.2 mm

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China