

**PRODUCT INFORMATION**

Material: Polycarbonate
Grade: PCSF-FR1
Description: 10% Glass Reinforced Structural Foam Grade

Effective Date: June-03

TYPICAL PROPERTIES	VALUE	UNIT	TEST METHOD
Physical*			
Melt Flow Rate 300C/1.2kg	5-12	g/10 min	ASTM D1238
Specific Gravity	1.27		ASTM D792
Mold Shrinkage	3-6	E-3 in/in	ASTM D955
Mechanical*			
Tensile Strength, Break	9,500	psi	ASTM D638
Tensile Strength, Yield	9,150	psi	ASTM D638
Flexural Strength	15,800	psi	ASTM D790
Flexural Modulus	550	psi x 1000	ASTM D790
Impact*			
Notched Izod Impact Strength	2.0	ft-lb/in.	ASTM D256
Gardner Falling Dart Impact (minimum)	NA	in-lbs.	ASTM D3029
Thermal*			
HDT @ 66 psi	290	°F	ASTM D648
HDT @ 264 psi	280	°F	ASTM D648
Flammability			
UL File Number, USA	E113219		
UL 94 rating	V-0 (6.0 mm)		

* All physical, mechanical and thermal testing conducted on 1/8-inch thick, un-pigmented, test samples. Nylon grades are tested dry as molded(DAM) and foam grades tested with un-foamed parts.

TYPICAL PROCESSING CONDITIONS

Processing Method: Foam Molding			
Drying Temperature	245-255	°F	
Drying Time	3-4	Hours	Do not exceed 8 hours
Melt Temperature	550-600	°F	
Mold Temperature	160-220	°F	
Front Zone	560-590	°F	
Middle Zone	560-590	°F	
Rear Zone	490-510	°F	

The information contained herein is based on our best knowledge and we believe it to be true and accurate. Please read all statements and recommendations in conjunction with our conditions of sale, which apply, to all goods supplied by us. Statements concerning possible uses of materials described herein are not to be construed as recommendations for use of such materials in the infringement of any patent or copyright. The user of this material must make his own evaluations to determine the suitability of this material from a technical as well as a health, safety and environmental standpoint. This data is not intended for specification purposes.