

**PRODUCT INFORMATION**

Material: Polycarbonate/PBT blend
Grade: TPSF-G10
Description: Structural Foam, 10% Glass Reinforced

Effective Date: February-04

TYPICAL PROPERTIES	VALUE	UNIT	TEST METHOD
Physical*			
Melt Flow Rate 250C/2.16kg	8-18	g/10 min	ASTM D1238
Specific Gravity	1.26		ASTM D792
Mold Shrinkage	4-6	E-3 in/in	ASTM D955
Mechanical*			
Tensile Strength, Break	10,500	psi	ASTM D638
Tensile Strength, Yield	10,500	psi	ASTM D638
Flexural Strength	15,000	psi	ASTM D790
Flexural Modulus	430	psi x 1000	ASTM D790
Impact*			
Notched Izod Impact Strength	1.0	ft-lb/in.	ASTM D256
Gardner Falling Dart Impact (minimum)	NA	in-lbs.	ASTM D3029
Thermal*			
HDT @ 66 psi	280	°F	ASTM D648
HDT @ 264 psi	250	°F	ASTM D648
Flammability			
UL File Number, USA not listed			

* 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	180-250	°F	
Drying Time	3-4	Hours	Do not exceed 8 hours
Melt Temperature	480-500	°F	
Mold Temperature	160-200	°F	
Front Zone	480-510	°F	
Middle Zone	470-500	°F	
Rear Zone	460-490	°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.