

**PRODUCT INFORMATION**

**Material:** Polycarbonate  
**Grade:** PC-FR2-D  
**Description:** Improved Flame Retardant, Medium Flow

**Effective Date:** June-03

TYPICAL PROPERTIES	VALUE	UNIT	TEST METHOD
<b>Physical*</b>			
Melt Flow Rate 300C/1.2kg	9-16	g/10 min	ASTM D1238
Specific Gravity	1.21		ASTM D792
Mold Shrinkage	5-7	E-3 in/in	ASTM D955
<b>Mechanical*</b>			
Tensile Strength, Break	8,700	psi	ASTM D638
Tensile Strength, Yield	8,000	psi	ASTM D638
Flexural Strength	13,000	psi	ASTM D790
Flexural Modulus	320	psi x 1000	ASTM D790
<b>Impact*</b>			
Notched Izod Impact Strength	12.0	ft-lb/in.	ASTM D256
Gardner Falling Dart Impact (minimum)	320	in-lbs.	ASTM D3029
<b>Thermal*</b>			
HDT @ 66 psi	275	°F	ASTM D648
HDT @ 264 psi	265	°F	ASTM D648
<b>Flammability</b>			
UL File Number, USA	<a href="#">E113219</a>		
UL 94 rating	V-0, 5VA (0.125 in)		
	V-0 (0.0625 in)		

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

Nylon grades are

**TYPICAL PROCESSING CONDITIONS****Processing Method: Injection Molding**

Drying Temperature	245-255	°F	
Drying Time	3-4	Hours	Do not exceed 8 hours
Melt Temperature	550-600	°F	
Mold Temperature	170-210	°F	
Front Zone	560-600	°F	
Middle Zone	540-580	°F	
Rear Zone	520-560	°F	

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