



**PRODUCT INFORMATION**

**Material:** PC/Polyester Alloy  
**Grade:** PC/TP-GP2  
**Description:** High Impact, Excellent Chemical Resistance

**Effective Date:** June-03

TYPICAL PROPERTIES	VALUE	UNIT	TEST METHOD
<b>Physical*</b>			
Melt Flow Rate 265C/2.16kg	5-15	g/10 min	ASTM D1238
Specific Gravity	1.22		ASTM D792
Mold Shrinkage	6-9	E-3 in/in	ASTM D955
<b>Mechanical*</b>			
Tensile Strength, Break	7,300	psi	ASTM D638
Tensile Strength, Yield	7,500	psi	ASTM D638
Flexural Strength	10,800	psi	ASTM D790
Flexural Modulus	300	psi x 1000	ASTM D790
<b>Impact*</b>			
Notched Izod Impact Strength	16.0 8.0 (-40 F)	ft-lb/in.	ASTM D256
Gardner Falling Dart Impact (minimum)	320	in-lbs.	ASTM D3029
<b>Thermal*</b>			
HDT @ 66 psi	210	°F	ASTM D648
HDT @ 264 psi	200	°F	ASTM D648
<b>Flammability</b>			
UL File Number, USA	E113219		
UL 94 rating		HB (0.125 in) HB (0.0625 in)	

\* 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**

<b>Processing Method: Injection Molding</b>			
Drying Temperature	220-230	°F	
Drying Time	4-6	Hours	Do not exceed 8 hours
Melt Temperature	475-525	°F	
Mold Temperature	150-190	°F	
Front Zone	500-540	°F	
Middle Zone	490-530	°F	
Rear Zone	480-520	°F	

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