



PRODUCT INFORMATION

Material: PC/Polyester Alloy
Grade: PC/TP-GP1
Description: High Impact, Good Chemical Resistance

Effective Date: June-03

TYPICAL PROPERTIES	VALUE	UNIT	TEST METHOD
Physical*			
Melt Flow Rate 265C/2.16kg	5-15	g/10 min	ASTM D1238
Specific Gravity	1.22		ASTM D792
Mold Shrinkage	5-8	E-3 in/in	ASTM D955
Mechanical*			
Tensile Strength, Break	7,900	psi	ASTM D638
Tensile Strength, Yield	8,000	psi	ASTM D638
Flexural Strength	12,000	psi	ASTM D790
Flexural Modulus	315	psi x 1000	ASTM D790
Impact*			
Notched Izod Impact Strength	15.0	ft-lb/in.	ASTM D256
Gardner Falling Dart Impact (minimum)	320	in-lbs.	ASTM D3029
Thermal*			
HDT @ 66 psi	250	°F	ASTM D648
HDT @ 264 psi	230	°F	ASTM D648
Flammability			
UL File Number, USA	not listed		
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

Processing Method: Injection Molding			
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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