



PRODUCT INFORMATION

Material: Polybutylene Terephthalate **Effective Date:** June-03
Grade: TP-IG30
Description: 30% Glass Reinforced with Reduced Warpage

TYPICAL PROPERTIES	VALUE	UNIT	TEST METHOD
Physical*			
Melt Flow Rate 250C/2.16kg	5-18	g/10 min	ASTM D1238
Specific Gravity	1.50		ASTM D792
Mold Shrinkage	4-8	E-3 in/in	ASTM D955
Mechanical*			
Tensile Strength, Break	15,500	psi	ASTM D638
Tensile Strength, Yield	15,500	psi	ASTM D638
Flexural Strength	26,000	psi	ASTM D790
Flexural Modulus	900	psi x 1000	ASTM D790
Impact*			
Notched Izod Impact Strength	1.5	ft-lb/in.	ASTM D256
Gardner Falling Dart Impact (minimum)	NA	in-lbs.	ASTM D3029
Thermal*			
HDT @ 66 psi	415	°F	ASTM D648
HDT @ 264 psi	340	°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	240-250	°F	
Drying Time	3-4	Hours	Do not exceed 8 hours
Melt Temperature	450-500	°F	
Mold Temperature	160-190	°F	
Front Zone	480-510	°F	
Middle Zone	470-500	°F	
Rear Zone	460-490	°F	

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