



PRODUCT INFORMATION

Material: Polybutylene Terephthalate
Grade: TP-FRG15
Description: 15% Glass Reinforced, Flame Retardant

Effective Date: June-03

TYPICAL PROPERTIES	VALUE	UNIT	TEST METHOD
Physical*			
Melt Flow Rate 250C/2.16kg	10-18	g/10 min	ASTM D1238
Specific Gravity	1.54		ASTM D792
Mold Shrinkage	5-9	E-3 in/in	ASTM D955
Mechanical*			
Tensile Strength, Break	13,000	psi	ASTM D638
Tensile Strength, Yield	13,000	psi	ASTM D638
Flexural Strength	20,000	psi	ASTM D790
Flexural Modulus	715	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	400	°F	ASTM D648
HDT @ 264 psi	345	°F	ASTM D648
Flammability			
UL File Number, USA	E113219		
UL 94 rating	V-0 (0.125 in)		
	V-0 (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	475-525	°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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