

**PRODUCT INFORMATION**

**Material:** Modified-PPO  
**Grade:** PPX-GP5  
**Description:** General Purpose with HDT of 270 F

**Effective Date:** June-03

TYPICAL PROPERTIES	VALUE	UNIT	TEST METHOD
<b>Physical*</b>			
Melt Flow Rate 250C/11.6kg	2-7	g/10 min	ASTM D1238
Specific Gravity	1.06		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	9,000	psi	ASTM D638
Flexural Strength	14,200	psi	ASTM D790
Flexural Modulus	345	psi x 1000	ASTM D790
<b>Impact*</b>			
Notched Izod Impact Strength	4.0	ft-lb/in.	ASTM D256
Gardner Falling Dart Impact (minimum)	150	in-lbs.	ASTM D3029
<b>Thermal*</b>			
HDT @ 66 psi	270	°F	ASTM D648
HDT @ 264 psi	260	°F	ASTM D648
<b>Flammability</b>			
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.  
 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	220-230	°F	
Drying Time	3-4	Hours	Do not exceed 8 hours
Melt Temperature	550-600	°F	
Mold Temperature	150-210	°F	
Front Zone	540-600	°F	
Middle Zone	520-590	°F	
Rear Zone	500-580	°F	

The information contained herein is based on our best knowledge and we believe it to be true and accurate. Please read all statements and recommendations in conjunction with our conditions of sale, which apply, to all goods supplied by us. Statements concerning possible uses of materials described herein are not to be construed as recommendations for use of such materials in the infringement of any patent or copyright. The user of this material must make his own evaluations to determine the suitability of this material from a technical as well as a health, safety and environmental standpoint. This data is not intended for specification purposes.