



# MARPOL PBT GP Ethylene Vinyl Acetate



# PRODUCT DATA SHEET

## General

- Availability
- Processing Method
- Description
- Global
- Injection Molding
- General purpose, lubricated PBT

Physical	Nominal Value	Test Method
Density/Specific Gravity	1.31	ASTM D792
Melt Mass-Flow Rate	15 g/10 min	ASTM D1238

Mechanical	Nominal Value	Test Method
Tensile Strength (Yield, .125 in)	7500 psi	ASTM D638
Tensile Strength (Break, .125 in)	7500 psi	ASTM D638
Tensile Elongation (Yield .125 in)	3.50%	ASTM D638
Tensile Elongation (Break, .125 in)	200%	ASTM D638
Flexural Modulus (.125 in)	33500 psi	ASTM D790
Flexural Strength (.125 in)	11500 psi	ASTM D790

Impact	Nominal Value	Test Method
Notched Izod Impact	1 ft lb/in	ASTM D256
Unnotched Izod Impact	30 ft lb/in	ASTM D4812
Gardner Impact	320 in lb	ASTM D3029

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.





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Thermal	Nominal Value	Test Method
Deflection Temperature Under Load (66 psi, unannealed)	300 F	ASTM D648
Deflection Temperature Under Load (264 psi, unannealed)	127 F	ASTM D648
Vicat Softening Temperature	374 F	ISO 306/B50

  

Electrical	Nominal Value	Test Method
Volume Resistivity	1.0E+16 ohms cm	ASTM D257
Dielectric Strength		ASTM D149
.0625 in, in Oil	580 V/mil	
.125 in, in Air	390 V/mil	
.125 in, in Oil	390 V/mil	
Dielectric Constant		ASTM D150
100 Hz	3.3	
1 MHz	0.02	
Dissipation Factor		ASTM D150
100 Hz	2.00E-03	
1MHz	0.02	

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**MARCO POLO**  
INTERNATIONAL, INC.  
Worldwide Distributors of Plastic Resins

532 Broadhollow Road Suite 135 Melville, NY 11747 Tel: 631-629-4520 Fax: 631-629-4519