


**MAYTENE® MW44430GF**  
**Polybutylene Terephthalate 30% Glass Reinforced ( PBT 30% GF )**

Physical Properties	Method	Testing Condition	Unit	Typical Value
Specific Gravity	ASTM D-792	-	g/cm <sup>3</sup>	1.52 – 1.56
Water Absorption	ASTM D-570	23 °C	%	0.06 – 0.07

**Mechanical Properties**

Tensile Strength	ASTM D 638	-	kg/cm <sup>2</sup>	1250 – 1500
Tensile Elongation	ASTM D 638	-	%	2 – 5
Flexural Modulus	ASTM D 790	-	kg/cm <sup>2</sup>	70000 – 75000
Flexural Strength	ASTM D 790	-	kg/cm <sup>2</sup>	1750 – 2000
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	4 – 7

**Thermal Properties**

Melt Flow Index	ASTM D 1238	-	g/10min	15 – 20
Heat Distortion Temperature	ASTM D-648	18.6kg/cm <sup>2</sup>	°C	210 – 220
Flammability	UL-94	-	-	HB

**Processing Properties**

Drying Hour	-	-	Hr	3 – 4
Drying Temperature	-	-	°C	100 – 110
Melt Temperature	-	-	°C	250 – 270

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