


MAYTENE® MW44420GF
Polybutylene Terephthalate 20% Glass Reinforced (PBT 20% GF)

Physical Properties	Method	Testing Condition	Unit	Typical Value
Specific Gravity	ASTM D-792	-	g/cm ³	1.40 – 1.45
Water Absorption	ASTM D-570	23 °C	%	0.08 – 0.09

Mechanical Properties

Tensile Strength	ASTM D 638	-	kg/cm ²	1000 – 1250
Tensile Elongation	ASTM D 638	-	%	4 – 6
Flexural Modulus	ASTM D 790	-	kg/cm ²	55000 – 60000
Flexural Strength	ASTM D 790	-	kg/cm ²	1500 – 2000
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	5 – 8

Thermal Properties

Melt Flow Index	ASTM D 1238	-	g/10min	15 – 20
Heat Distortion Temperature	ASTM D-648	18.6kg/cm ²	°C	200 – 210
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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