



**MAYREX® MWI020 U**  
**Acrylonitrile-Butadiene-Styrene 20% Glass Reinforced ( ABS 20% GF )**  
**Metro Wealth Under UL Register File No: ( E 306925 )**



Physical Properties	Method	Testing Condition	Unit	Typical Value
Specific Gravity	ASTM D-792	-	g/cm <sup>3</sup>	1.15 – 1.25
Water Absorption	ASTM D-570	23 °C	%	0.30 – 0.36

**Mechanical Properties**

Tensile Strength	ASTM D 638	-	kg/cm <sup>2</sup>	490 - 650
Tensile Elongation	ASTM D 638	-	%	1 - 2
Flexural Modulus	ASTM D 790	-	kg/cm <sup>2</sup>	39000 - 54000
Flexural Strength	ASTM D 790	-	kg/cm <sup>2</sup>	750 - 1000
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	5 - 7

**Thermal Properties**

Melt Flow Index	ASTM D 1238	-	g/10min	3 - 5
Heat Distortion Temperature	ASTM D-648	4.6kg/cm <sup>2</sup>	°C	95 - 100
Flammability	UL-94	-	-	HB

**Processing Properties**

Drying Hour	-	-	Hr	2 - 3
Drying Temperature	-	-	°C	85 - 90
Melt Temperature	-	-	°C	220-250

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