



MAYRON® MW3820 U
Polycarbonate 20% Glass Reinforced (PC 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 ³	1.34 – 1.37
Water Absorption	ASTM D-570	23 °C	%	0.25 – 0.30

Mechanical Properties

Tensile Strength	ASTM D 638	-	kg/cm ²	660-860
Tensile Elongation	ASTM D 638	-	%	2-5
Flexural Modulus	ASTM D 790	-	kg/cm ²	38000-51000
Flexural Strength	ASTM D 790	-	kg/cm ²	950-1300
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	6-8

Thermal Properties

Melt Flow Index	ASTM D 1238	-	g/10min	4 - 8
Heat Distortion Temperature	ASTM D-648	4.6kg/cm ²	°C	128 - 135
Flammability	UL-94	-	-	HB

Processing Properties

Drying Hour	-	-	Hr	3-4
Drying Temperature	-	-	°C	115 - 125
Melt Temperature	-	-	°C	270-290

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