

**MAYRYL® MW820 U**

Polypropylene Oxide 20% Glass Reinforced (PPO 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	1.15 – 1.25
Water Absorption	ASTM D-570	23 °C	%	0.05 – 0.08

Mechanical Properties

Tensile Strength	ASTM D 638	-	kg/cm ²	480 - 650
Tensile Elongation	ASTM D 638	-	%	2 - 3
Flexural Modulus	ASTM D 790	-	kg/cm ²	37000 - 50000
Flexural Strength	ASTM D 790	-	kg/cm ²	820 - 1100
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	6 - 9

Thermal Properties

Melt Flow Index	ASTM D 1238	-	g/10min	1 - 2
Heat Distortion Temperature	ASTM D-648	4.6kg/cm ²	°C	118 – 124
Flammability	UL-94	-	-	HB

Processing Properties

Drying Hour	-	-	Hr	2 -4
Drying Temperature	-	-	°C	90 -100
Melt Temperature	-	-	°C	260 - 280

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