

METRO WEALTH
POLYMER SDN. BHD

DATASHEET



MAYRON® MW333 U
Polycarbonate (PC)

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	1.18 – 1.22
Water Absorption	ASTM D-570	23 °C	%	0.17 – 0.23

Mechanical Properties

Tensile Strength	ASTM D 638	-	kg/cm ²	550 - 650
Tensile Elongation	ASTM D 638	-	%	80 - 120
Flexural Modulus	ASTM D 790	-	kg/cm ²	21825 - 26500
Flexural Strength	ASTM D 790	-	kg/cm ²	765 -940
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	55 - 65

Thermal Properties

Melt Flow Index	ASTM D 1238	-	g/10min	8 - 12
Heat Distortion Temperature	ASTM D-648	4.6kg/cm ²	°C	120 - 130
Flammability	UL-94	-	-	HB

Processing Properties

Drying Hour	-	-	Hr	3-4
Drying Temperature	-	-	°C	110 -120
Melt Temperature	-	-	°C	260-280

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