



MAYLOY® MW500 U
Polycarbonate-Acrylonitrile-Butadiene-Styrene Blend Flame Retardant
(PC/ABS FR)
 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	1.17-1.20
Water Absorption	ASTM D-570	23 °C	%	0.15-0.25
Gloss	ASTM D-2457	-	-	95-105

Mechanical Properties

Tensile Strength	ASTM D 638	-	kg/cm ²	550-650
Tensile Elongation	ASTM D 638	-	%	40-50
Flexural Modulus	ASTM D 790	-	kg/cm ²	24000-26000
Flexural Strength	ASTM D 790	-	kg/cm ²	800-950
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	40-50

Thermal Properties

Melt Flow Index	ASTM D 1238	-	g/10min	25-35
Heat Distortion Temperature	ASTM D-648	18.6kg/cm ²	°C	80-90
Flammability	UL-94	-	-	V0
Mold Shrinkage	ASTM D-955	-	%	0.4-0.6

Processing Properties

Drying Hour	-	-	Hr	3-4
Drying Temperature	-	-	°C	90-100
Melt Temperature	-	-	°C	230-250

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