

**MAYLOY® MW500****Polycarbonate-Acrylonitrile-Butadiene-Styrene Blend Flame Retardant (PC/ABS FR)**

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	500-560
Tensile Elongation	ASTM D 638	-	%	35-50
Flexural Modulus	ASTM D 790	-	kg/cm ²	20000-24000
Flexural Strength	ASTM D 790	-	kg/cm ²	750-900
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	40-55

Thermal Properties

Melt Flow Index	ASTM D 1238	-	g/10min	15-20
Heat Distortion Temperature	ASTM D-648	18.6kg/cm ²	°C	95-105
Flammability	UL-94	-	-	V0

Processing Properties

Drying Hour	-	-	Hr	3-4
Drying Temperature	-	-	°C	95-100
Melt Temperature	-	-	°C	230-250

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