

MAYREX® MW111 U

Acrylonitrile-Butadiene-Styrene (ABS)

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	1.05
Water Absorption	ASTM D-570	23°C	%	0.30

Mechanical Properties

Tensile Strength	ASTM D 638	-	kg/cm ²	375 - 500
Tensile Elongation	ASTM D 638	-	%	25 - 30
Flexural Modulus	ASTM D 790	-	kg/cm ²	19000 - 25000
Flexural Strength	ASTM D 790	-	kg/cm ²	600 - 850
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	13 - 17

Thermal Properties

Melt Flow Index	ASTM D 1238	-	g/10min	7 - 10
Heat Distortion Temperature	ASTM D-648	4.6kg/cm ²	°C	79 - 88
Flammability	UL-94	-	-	HB

Processing Properties

Drying Hour	-	-	Hr	3-4
Drying Temperature	-	-	°C	85
Melt Temperature	-	-	°C	200-240

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