

General Purpose SMMA ACRYSTEX[®] Characteristics

February 6, 2013

Properties	Test Method	Test Condition	Unit	General Purpose
				PM-600
Melt Flow Index	ASTM D1238	200°C, 5Kg	g/10min	1.5
Specific Gravity	ASTM D792	23°C	-	1.12
Hardness	ASTM D785	-	M Scale	85
Light Transmission	ASTM D1003		%	91.5
Tensile Strength (Break)	ASTM D638	6mm/min	Kg/cm ²	690
			lb/in ²	9776
Tensile Elongation	ASTM D638	6mm/min	%	5
Flexural Strength	ASTM D790	2.8 mm/min	Kg/cm ²	1000
			lb/in ²	14200
Flexural Modulus	ASTM D790	2.8 mm/min	10 ⁴ Kg/cm ²	3.1
			10 ⁵ lb/in ²	4.4
Izod Impact Strength	ASTM D256 (Notched)	6.4mm, 23°C	Kg-cm/cm	1.8
			ft-lb/in	0.33
		3.2mm, 23°C	Kg-cm/cm	2.0
			ft-lb/in	0.37
Vicat Softening Temp.	ASTM D1525	1Kg, 50°C/hr	°C	106
			°F	223
Heat Distortion Temp.	ASTM D648	Unannealed	°C	89
			°F	192
UL Rating	UL 94	-	-	1.5mm HB

Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests

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