


General PMMA ACRYREX[®] Characteristics
CM-205

PROPERTIES	ASTM TEST METHOD	TEST CONDITION	UNIT	GENERAL
				CM-205
Melt Flow Index	D1238	230 °C, 3.8 Kg	g/10 min	1.8
Mass Density	D792	23 °C	-	1.19
Bulk Density	D1182		g/cm ³	0.7
Water Absortion	D570		%	0.3
Mould Shrinkage	D955		%	0.2~0.6
Hardness	D785	-	M Scale	95
Refractive Index	D542			1.491
Light Transmission	D1003		%	92
Tensile Strength (Break)	D638	6 mm/min	Kg/cm ²	750
			lb/in ²	10600
Tensile Elongation	D638	6 mm/min	%	10
Flexural Strength	D790	2.8 mm/min	Kg/cm ²	1200
			lb/in ²	17000
Izod Impact Strength	D256 (Notched)	6.4 mm, 23°C	Kg-cm/cm	2.0
			ft-lb/in	0.37
Vicat Softening Temp.	D1525	1 Kg,50 °C/hr	°C	115
			°F	239
Heat Distortion Temp.	D648	Unannealed	°C	102
			°F	216
UL Flammability	UL 94			1.5 mm HB


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