

## PMMA ACRYREX® Characteristics CM-205

Product Description: High viscosity

Properties	ISO Test Method	Test Condition	Unit	CM-205
Melt Flow Index	1133	230°C × 3.8KG	ml/10 min	1.9
Mass Density	1183	23 °C	g/cm <sup>3</sup>	1.19
Tensile Strength	527	50 mm/min, yield	MPa	70
		50 mm/min, break	MPa	70
Tensile Elongation	527	50 mm/min	%	12
Flexural Strength	178	2 mm/min	MPa	103
Flexural Modulus		2 mm/min	GPa	2.8
Izod Impact Strength	180/1A	23 °C Notched	KJ/m <sup>2</sup>	2
		-30 °C Notched	KJ/m <sup>2</sup>	-
Charpy Impact Strength	179	23 °C Notched	KJ/m <sup>2</sup>	2
		-30 °C Notched	KJ/m <sup>2</sup>	-
Vicat Softening Temp.	306	1 Kg, 50 °C/hr	°C	115
		5 Kg, 50 °C/hr	°C	107
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	95
		1.8 MPa Annealed	°C	104
Coefficient of Linear Thermal Expansion	11359	-	-	6 X 10 <sup>-5</sup>
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.2~0.6
Symbol	1043	-	-	>PMMA<

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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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