



Technical Datasheet: CM-205

Product Description:

CM-205 is High heat injection grade clear transparent PMMA. It features high heat resistance and good mechanical strength.

Applications:

This grade is intended for protective coverings and automotive applications such as indicator cover of scooter, automobile, sun glasses, and digital watch cover.

Typical data:

PROPERTY	TEST METHOD	TEST CONDITION	UNIT	CM-205
Melt Flow Index	1133	220 °C,10Kg	ml/10 min	1.8
Mass Density	1183	23 °C	g/cm ³	1.19
Ball Indentation Hardness	2039-1	H358/30	N/mm ²	158
Tensile Strength	527	50 mm/min,yield	MPa	73
	527	50 mm/min,break	MPa	73
Tensile Elongation	527	50 mm/min	%	10
Flexural Strength	178	2 mm/min	MPa	103
Flexural Modulus	178	2 mm/min	GPa	2.8
Izod Impact Strength	180/1A	Notched	KJ/m ²	2
	180/1C	Unnotched	KJ/m ²	21
Charpy Impact Strength	179	Notched	KJ/m ²	2
	179	Unnotched	KJ/m ²	26
Impact Flexural Test	179/2C	Notched	KJ/m ²	2
	179/2D	Unnotched	KJ/m ²	22
Vicat Softening Temp.	306	1 Kg,50 °C/hr	°C	115
	306	5 Kg,50°C/hr	°C	107
	306	1 Kg,120°C/hr	°C	117
	306	5 Kg,120°C/hr	°C	109
Heat Distortion Temp. / A	75	1.08 MPa Unannealed	°C	95
	75	1.08 MPa Annealed	°C	104
UL Flammability	-	UL-94	-	1.5 mm HB

* Typical values not to be construed as specifications.