

Technical Datasheet CM-211

1) Product Description:

CM-211 is high heat general purpose clear transparent PMMA. It features high flow high gloss and good weather resistance.

2) Applications:

- Containers
- Cosmetics
- Household Goods
- Knobs

Typical data:

PROPERTIES	TEST METHOD	TEST CONDITION	UNIT	CM-211
Melt Flow Index	1133	220 °C, 10Kg	ml/10 min	16
Mass Density	1183	23 °C	g/cm ³	1.19
Ball Indentation Hardness	2039-1	H358/30	N/mm ²	148
Tensile Strength	527	50 mm/min, yield	MPa	68
		50 mm/min, break	MPa	67
Tensile Elongation	527	50 mm/min	%	7
Flexural Strength	178	2 mm/min	MPa	95
Flexural Modulus	178	2 mm/min	GPa	2.7
Izod Impact Strength	180/1A	Notched	KJ/m ²	2
	180/1C	Unnotched		17
Charpy Impact Strength	179	Notched	KJ/m ²	2
		Unnotched		19
Impact Flexural Test	179/2C	Notched	KJ/m ²	2
	179/2D	Unnotched		16
Vicat Softening Temp.	306	1 Kg, 50 °C/hr	°C	103
		5 Kg, 50 °C/hr		96
		1 Kg, 120 °C/hr		104
		5 Kg, 120 °C/hr		98
Heat Distortion Temp. / A	75	1.08 MPa Unannealed	°C	89
		1.08 MPa Annealed	°C	98
UL Flammability	-	UL-94	-	1.5 mm HB

* Typical values not to be construed as specifications.