Suyuan Polymers
Plastic Raw Materials

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Polymethyl Methacrylate

PMMA CM-211

CHIMEI Zhenjiang | High Flow Grade

Features High flow, high-temperature resistance, high transparency.
Applications Transparent appliance housings, lighting fixtures, automotive interiors.

Property	Condition	Method	Value	Unit
Physical Properties				
Density	—	ASTM D792 / ISO 1183	**1.19**	—
Shrinkage	—	ASTM D955	**0.2-0.6**	%
Water Absorption	—	ASTM D570 / ISO 62	**0.3**	%
Mechanical Properties				
Notched Izod Impact Strength	—	ASTM D256 / ISO 179	**2 (0.37)**	kg·cm/cm [ft·lb/in]
Tensile Strength	—	ASTM D638 / ISO 527	**680 (9,700)**	kg/cm² [lb/in²]
Elongation	—	ASTM D638 / ISO 527	**7**	%
Rockwell Hardness	—	ASTM D785	**M-84**	—
Flexural Strength	—	ASTM D790 / ISO 178	**1000 (14,200)**	kg/cm² [lb/in²]
Thermal Properties				
Heat Deflection Temperature	—	ASTM D648 / ISO 75	**90 (194)**	°C (°F)
Vicat Softening Temperature	—	ASTM D1525 / ISO R306	**103 (217)**	°C (°F)
Optical Properties				
Light Transmittance	—	ASTM D1003 / ISO 13468	**92**	%
Refractive Index	—	ASTM D542 / ISO 489	**1.491**	—
Flammability				
Flammability Rating	1/16 in	UL 94	**HB**	—

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Note: Data are for reference only and do not constitute guaranteed specifications. Suitability for the intended application should be verified by testing. Contact us for further technical information.