



# CHI MEI CORPORATION

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## PMMA, ACRYREX<sup>®</sup> CM-205

V1W

### Typical Characteristics

| Properties                        | Test Method | Test Condition   | Unit                                     | CM-205      |
|-----------------------------------|-------------|------------------|--|-------------|
| Tensile Strength                  | ASTM D638   | 1/8", 6 mm/min   | Kg/cm <sup>2</sup> (lb/in <sup>2</sup> ) | 720(10200)  |
| Tensile Elongation                | ASTM D638   | 1/8", 6 mm/min   | %  | 5.0         |
| Flexural Strength                 | ASTM D790   | 1/4", 2.8 mm/min | Kg/cm <sup>2</sup> (lb/in <sup>2</sup> ) | 1100(15600) |
| Light Transmission                | ASTM D1003  | 1/8"             | %  | 92          |
| Izod Impact Strength<br>(Notched) | ASTM D256   | 1/4", 23°C       | Kg-cm/cm(ft-lb/in)                       | 2.0(0.37)   |
| Melt Flow Index                   | ASTM D1238  | 230°C , 3.8Kg    | g/10min                                  | 1.8         |
| Hardness                          | ASTM D785   | 1/4"             | M Scale                                  | 95          |
| Specific Gravity                  | ASTM D792   | 23°C             | g/cm <sup>3</sup>                        | 1.19        |
| Vicat Softening Temp              | ASTM D1525  | 1/8", 50°C /hr   | °C (°F)                                  | 113(235)    |
| Heat Distortion .Temp             | ASTM D648   | 1/4", 120°C /hr  | °C (°F)                                  | 100(212)    |
| Flammability                      | UL 94       | -                | -  | 1/16"HB     |

The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere.

For further information, please contact your local agent or fax to Chi Mei Technical Services Dept. at 886-6-2665555