

## PMMA ACRYREX® CM-207

Product Description: Medium viscosity

| Properties                              | ISO Test Method | Test Condition     | Unit              | CM-207   |
|-----------------------------------------|-----------------|--------------------|-------------------|----------|
| Melt Flow Index                         | 1133            | 230°C×3.8KG        | ml/10 min         | 8.5      |
| Mass Density                            | 1183            | 23 °C              | g/cm <sup>3</sup> | 1.19     |
| Tensile Strength                        | 527             | 5 mm/min, yield    | MPa               | 67       |
|                                         |                 | 5 mm/min, break    | MPa               | 67       |
| Tensile Elongation                      | 527             | 5 mm/min           | %                 | 8        |
| Flexural Strength                       | 178             | 2 mm/min           | MPa               | 97       |
| Flexural Modulus                        |                 | 2 mm/min           | GPa               | 2.7      |
| 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                | 107      |
|                                         |                 | 5 Kg,50 °C/hr      | °C                | 99       |
| Heat Distortion Temp.                   | 75/A            | 1.8 MPa Unannealed | °C                | 89       |
|                                         |                 | 1.8 MPa Annealed   | °C                | 100      |
| Coefficient of Linear Thermal Expansion | 11359           | -                  | -                 | 6 X 10-5 |
| Flammability                            | -               | UL-94              | -                 | 1.5mm HB |
| Mold Shrinkage                          | 294-4           | -                  | %                 | 0.2~0.6  |
| Symbol                                  | 1043            | -                  | -                 | >PMMA<   |

