



## Acrylic, Clear Sheet (Plexiglas MC)

| PROPERTIES   | VALUE   | UNITS          | TEST METHOD |
|--|---------|----------------|-------------|
| <b>Miscellaneous</b>                                 |         |                |             |
| Thickness, nominal                                   | 0.236   | in             |             |
| Specific Gravity                                     | 1.18    |                | ASTM D792   |
| Rockwell Hardness                                    | 90      | M              | ASTM D785   |
| <b>Mechanical</b>                                    |         |                |             |
| Tensile Properties                                   |         |                | ASTM D638   |
| Maximum  | 10,200  | PSI            | "           |
| Rupture  | 10,200  | PSI            | "           |
| Modulus of elasticity                                | 450,000 | PSI            | "           |
| Flexural Properties (span depth ratio 16, 0.1in/min) |         |                | ASTM D790   |
| Maximum  | 15,000  | PSI            | "           |
| Modulus of elasticity                                | 450,000 | PSI            | "           |
| Notched Izod Impact(73°F/23°C)                       | 0.3     | ft-lb/in notch | ASTM D256   |
| <b>Thermal</b>                                       |         |                |             |
| Deflection temperature under (flexural) load         |         |                | ASTM D648   |
| 3.6 °F/min-264 psi (unannealed)                      | 200     | °F             | "           |
| Maximum Recommended Continuous Service Temperature   | 170-190 | °F             | "           |
| <b>Optical</b>                                       |         |                |             |
| Refractive Index (ND @ 73°F)                         | 1.49    |                | ASTM D542   |
| Luminous Transmittance (0.125"/3.2 mm.)              | 92      | %              | ASTM D1003  |
| Haze (0.125 in./3.2 mm.)                             | <2      | %              | ASTM D1003  |
| UV Transmission                                      | <70     | %              | KOP         |

Data given are average values and should not be used for specification purposes.

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