

TECHNICAL DATA SHEET

Acrylic, Clear Sheet (Plexiglas MC)



| PROPERTIES | VALUE | UNITS | TEST METHOD |
|---|---------|----------------|-------------|
| Miscellaneous | | | |
| Thickness, nominal | 0.236 | in | |
| Specific Gravity | 1.18 | | ASTM D792 |
| Rockwell Hardness | 90 | M | ASTM D785 |
| Mechanical | | | |
| Tensile Properties | | | ASTM D638 |
| Maximum | 10,200 | PSI | " |
| Rupture | 10,200 | PSI | " |
| Modulus of elasticity | 450,000 | PSI | " |
| Flexural Properties (span depth ratio 16, 0.1 in/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 |
| Thermal | | | |
| Deflection temperature under (flexural) load | | | ASTM D648 |
| 3.6°F/min-264 psi (unannealed) | 200 | °F | " |
| Maximum Recommended Continuous Service Temperature | 170-190 | °F | " |
| Optical | | | |
| 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.

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, HP Manufacturing expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OR MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE

See MSDS for Health & Safety Considerations.

Altuglas®, Plexiglas®, DR®, VOD®, and Solarkote® are registered trademarks of Arkema.

Plexiglas® and Solarkote® acrylic resins are combustible thermoplastics. Observe fire precautions appropriate for comparable forms of wood and paper. For building uses, check code approvals. Impact resistance is a factor of thickness.

Avoid exposure to heat or aromatic solvents. Clean with soap and water. Avoid abrasives.