

Physical Properties Of Extruded Acrylic sheet



A Division of : Vision Polymer Pvt Ltd

| Property | ASTM Method | Test Value | |
|------------------|-------------------------------|-------------|--------------------------|
| Mechanical | Specific Gravity | D 792 | 1.19 |
| | Tensile Strength | D 638 | 658 Kg/Cm ² |
| | Elongation | D 638 | 5.0 % |
| | Tensile Modulus | D 638 | 24624 Kg/Cm ² |
| | Flexural Strength | D 790 | 964 Kg/Cm ² |
| | Flexural Modulus | D 790 | 29575 Kg/Cm ² |
| | Izod Impact Strength | D 256 | 21.4 J/m |
| | Rockwell Hardness – ‘R’ Scale | D 785 | M-87 |
| | Barcol Hardness | D 2583 | 47 % |
| Optical | Light Transmission | D 1003 | 93 % |
| Thermal | Heat Deflation Temperature | D 648 | 87.2 °C |
| | Vicat Softening Temperature | D 1525 | 102.9 °C |
| | Flamability(Rate Of Burning) | D 635 | 1.6 Mm/Min |
| Electrical | Dielectric Strength | D 149 | 9.3 Kv/mm |
| | Volume Resistivity | D 257 | 11x10 ¹⁵ Ω Cm |
| | Surface Resistivity | D 257 | 1.8x10 ¹⁶ Ω |
| Water Absorption | D 570 | 0.20 % | |
| Odor | --- | None | |
| Taste | --- | None | |

Notes: (a) Test values; should not be used for specification purposes.
 (b) Values shown are for 0.250" thickness. Some values will change with thickness or pigmentation.
 (c) It is recommended that temperatures should not exceed 160°F for continuous service, or 190°F for short intermittent use.