

Lucite International SW Sanitary Ware Acrylic Sheet

Category : Polymer , Thermoplastic , Acrylic (PMMA)

Material Notes:

Lucite® SW complies with ISO 7823-1 and EN 263. It is approved by the French ARNOR "NF" quality mark. Information provided by Lucite International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucite-International-SW-Sanitary-Ware-Acrylic-Sheet.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|------------|
| Density | 1.20 g/cc | 0.0434 lb/in ³ | ISO 1183/A |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------------------|----------------------------|--------------------|
| Hardness, Rockwell M | 98 | 98 | ISO 2039-2 |
| Tensile Strength | 70.0 MPa | 10200 psi | ISO R527, 5 mm/min |
| Tensile Modulus | 3.20 GPa | 464 ksi | ISO R527, 5 mm/min |
| Flexural Strength | 120 MPa | 17400 psi | ISO 178, 2 mm/min |
| Charpy Impact Unnotched | 1.20 J/cm ² | 5.71 ft-lb/in ² | ISO 179/1D |

| Thermal Properties | Metric | English | Comments |
|---|------------------------------|----------------------------|-----------------|
| CTE, linear | 77.0 µm/m-°C | 42.8 µin/in-°F | DIN 5372 |
| | @Temperature 0.000 - 50.0 °C | @Temperature 32.0 - 122 °F | |
| Specific Heat Capacity | 1.46 J/g-°C | 0.349 BTU/lb-°F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 98.0 °C | 208 °F | ISO 75 Method A |
| Vicat Softening Point | 105 °C | 221 °F | BS2782: 120 C |

| Processing Properties | Metric | English | Comments |
|------------------------|--------------|--------------|-----------------------------|
| Processing Temperature | 150 - 170 °C | 302 - 338 °F | optimum shaping temperature |

| Descriptive Properties | Value | Comments |
|------------------------|--------------------------------|-------------------------------------|
| Color Fastness | Hot Water - Grey Scale; EN 263 | |
| | UV - Grey Scale; ISO 4892-2 | |
| Water Absorption (mg) | 29 | 50 mm ² sample, ISO 62/1 |

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