



## PRISMATIC DIFFUSER SHEETS

**Prismatic Diffuser Sheets** have excellent light transmission and UV resistance. Our sheets are manufactured from acrylic and are the industry benchmark for fluorescent light diffusion. Easy to cut-to-size and install. Our panels reduce glare, provide pinpoint brightness and enhance visual comfort.

### KEY FEATURES

- Light diffusing panels
- Excellent UV resistant
- Lightweight
- Easy to cut & install

### PRODUCT APPLICATIONS

- Office environment
- Retail fit-outs
- Illuminated ceilings
- Laboratories & computer rooms
- Schools & government buildings

### COLOURS



Coloured swatch may not represent physical product.

### PROPERTIES

| GENERAL                                  | RESULTS                |
|--|------------------------|
| Weight (3mm)                             | 3.6kg/m <sup>2</sup>   |
| Density (ISO 1183)                       | 1.18g/cm <sup>3</sup>  |
| Water Absorption (ISO 62)                | 0.2% (24H)             |
| Moisture Absorption (ISO 62)             | 0.5-0.6%               |
| Cleaning: Warm soapy water & soft cloth  |                        |
| MECHANICAL                               |                        |
| Tensile Strength (ISO 527)               | 60-70MPa               |
| Flexural Strength (ISO 178)              | 90-120MPa              |
| THERMAL                                  |                        |
| Vicat Softening Temp (ISO 306)           | 98-105°C               |
| Heat Deflection Temp (ISO 75)            | 90-94°C                |
| Co-Efficient of Thermal Expansion        | 7x10 <sup>-5</sup> /°C |
| Thermal Conductivity (W/m·k) (ISO 11359) | 0.18-0.21              |

### PRODUCT RANGE

| COLOUR                | GAUGE | SIZE                       |
|-----------------------|-------|----------------------------|
| Clear<br>Pattern 12   | 2.5mm | 1190x290mm                 |
|                       | 2.8mm | 1220x610mm                 |
|                       | 3mm   | 2440x1220mm<br>2540x1270mm |
| Clear<br>Pattern 15   | 4.4mm | 2440x1220mm                |
| White<br>Louvre*      | 8mm   | 1210x600mm                 |
| *Lead times may apply |       |                            |

