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Thermoplastic Sheets for Construction, Industry, Advertising and Agriculture

PALIGHT

Foamed Flat PVC Sheet

Product Description:

Profile Foamed Flat PVC sheets
 Colors White, gray, red, blue, yellow, green and black.
 Thickness White 1.0-25.0 mm
 Colors 3 and 6mm
 Standard dimensions: 1220X2440
 1560X3050
 2030X3050
 Service temp. -10 to 55°C

- Custom colors and sizes are available upon request, possibly subject to minimum order size.

Typical Properties:

| Property | (Method) | Conditions | Unit | Value | |
|---|--------------|----------------|----------------------|--------------------------|-------|
| Sheet Thickness | | | | 3mm | 10mm |
| Physical | | | | | |
| Specific gravity | (D-1505) | | g/cm ³ | 0.65 | 0.57 |
| Water absorption | (D-570) | 24 hr @ 23 °C | % | 0.5 | 0.8 |
| Mechanical – Machine direction | | | | | |
| Flexural strength at yield | (D-790) | 1 mm/min | MPa | 27-28 | 21-22 |
| Impact strength notched – Izod | (D-256) | 23 °C | J/m | 33-35 | N/A |
| Impact strength notched – Charpy | (D-256) | | | 27-29 | 16-17 |
| Heat deflection temperature | (D-648) | 1.82 MPa | °C | 59-63 | |
| Impact falling weight | (ISO-6603/1) | | J | 1-2 | 8-9 |
| Thermal | | | | | |
| Service temperature range | | | °C | -10 to 55 | |
| Heat deflection temperature | (D-648) | Load: 1.82 MPa | °C | 59-63 | |
| VICAT softening temperature | (D-1525) | Load: 1 Kg | °C | 74-75 | |
| Coefficient of linear thermal expansion | (D-696) | | 10 ⁻⁵ /°C | 6.7 | |
| Thermal conductivity | (C-177) | | W/mk | 0.07 | |
| Electrical | | | | | |
| Surface resistance | (D-257) | | Ohm | 5X10 ¹⁵ | |
| Volume resistance | (D-257) | | Ohm-cm | 2.6- 21X10 ¹⁵ | |

Updated January 2005