

FOAM PVC INTEGRAL

PVC Foam Integral sheet is free of Lead, Cadmium and Barium metals.

| Property | Unit | Ref. Standard | Value |
|---|--|----------------------|---|
| Physical | | | |
| Density | g/cc | DIN 53479 | 0.55 |
| Hardness | Shore 'D' | DIN 53505 | 70 |
| Water Absorbtion | % | DIN 53495 | 0.1 |
| Mechanical | | | |
| Tensile Strength | MPa | DIN 53455 | > 13 |
| Elongation | % | DIN 53455 | > 15 |
| E-Modulus | MPa | DIN 53457 | 1150 |
| CHARPY Impact Strength | KJ/M ² | DIN 53253 | > 15 |
| Flexural Strength | MPa | DIN 53452 | > 30 |
| Compressive Strength at 10% Deformation | MPa | DIN 53421 | > 3 |
| Thermal | | | |
| VICAT (B/50) | °C | DIN 53460 | > 75 |
| Heat Deflection Temperature @1.8 MPa | °C | DIN 53461 | ~ 60 |
| Coefficient of Linear Thermal Expansion | °C-1 | ASTM D 696 | 5.56 x 10 ⁻⁵ |
| Thermal Conductivity | W/m K | ASTM C 177 | 0.1 |
| Rate of heat transfer ('K' / 'U' VALUE) | W/m2 K | DIN 52616 | 3.0 for 10 mm |
| | | | 2.0 for 19 mm |
| | 1.6 for 24 mm | | |
| | | | 1.35 for 30 mm |
| Electrical | | | |
| Surface Resistivity | Ω | ASTM D 257 | > 10 ¹⁴ |
| Volume Resistivity | Ω - cm | ASTM D 257 | > 1015 |
| Dielectric Constant at 1MHZ Dielectric Strength | - | ASTM D 150 | 1.7 |
| Flammability | | | |
| Country | | | |
| UK | - | BS476; Part 7 | Class 1 |
| USA | - | UL 94 | 94 5 - O |
| | | | 94 5 - V |
| France | | NFP 92 - 501 | M1 |
| Standard Dimensions and Colour | | | |
| Colour Colour | Thickness | Width | Length |
| White – J 1054 | | | _ |
| vviiite – J 1004 | 10, 13, 14, 16, 19, 24, 25 & 30 mm | 1000 ,1220 & 1250 mm | 2000, 2440, 2500, 3000, 4880 & 5490 mm |
| | Special lengths and widths as per customer's request | | |

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|--------------------------------|---------------------------------------|----------------------------|---|
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| Tolerance on dimensions | | | | | |
|-------------------------|--|--------|--|--|--|
| Length | | Width | Thickness | | |
| - 0, + 10 mm | | ± 5 mm | \pm (0.1 + 0.05 x S) Where S = Thickness of sheet | | |

This specification provides typical data to the best of our knowledge at the time of publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. Dotmar EPP PTY assumes no liability for use of information presented herein.

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