

## Technical Data Sheet

# Maywoflamm<sup>®</sup> plus SPX

PC

### Typical characteristics

- Certified according to EN 45545-2

### Typical industries

- Vacuum Forming
- Rail Technology and Vehicles

|   | Test method             | Unit                 | Guideline value      |
|---|-------------------------|----------------------|----------------------|
| <b>General properties</b>               |                         |                      |                      |
| Density                                 | DIN EN ISO 1183-1       | g / cm <sup>3</sup>  | 1,30                 |
| Flammability                            | EN 45545                |                      | HL3 (R1, R6 - 2-6mm) |
| <b>Mechanical properties</b>            |                         |                      |                      |
| Yield stress                            | DIN EN ISO 527          | MPa                  | 55                   |
| Elongation at break                     | DIN EN ISO 527          | %                    | 31                   |
| Tensile modulus of elasticity           | DIN EN ISO 527          | MPa                  | 3925                 |
| Notched impact strength                 | DIN EN ISO 179          | kJ / m <sup>2</sup>  | 22                   |
| Bending strength                        | DIN EN ISO 178          | MPa                  | 91                   |
| <b>Thermal properties</b>               |                         |                      |                      |
| Melting temperature                     | ISO 11357-3             | °C                   | > 220 °C             |
| Thermal conductivity                    | DIN 52612-1             | W / (m * K)          | 0,2                  |
| Coefficient of linear thermal expansion | DIN 53752               | 10 <sup>-6</sup> / K | 65                   |
| Vicat softening temperature             | DIN EN ISO 306, Vicat B | °C                   | 108                  |
| <b>Electrical properties</b>            |                         |                      |                      |
| Surface resistivity                     | DIN EN 61340            | Ω                    | > 10 <sup>12</sup>   |
| Volume resistivity                      | DIN EN 61340            | Ω                    | > 10 <sup>12</sup>   |

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