

### Technical Data Sheet

## Maywoflamm<sup>®</sup> ECE lightweight

ABS

#### Typical characteristics

- Mat surface
- Base Material: ABS

#### Typical industries

- Vacuum Forming
- Bus
- Vehicle Construction

|                                         | Test method       | Unit                 | Guideline value            |
|-----------------------------------------|-------------------|----------------------|----------------------------|
| <b>General properties</b>               |                   |                      |                            |
| Density                                 | DIN EN ISO 1183-1 | g / cm <sup>3</sup>  | 0,92                       |
| Water absorption                        | DIN EN ISO 62     | %                    | 0,3                        |
| Flammability                            | ECE R118          |                      | Annex 6, 7, 8 (3,0-6,0 mm) |
| <b>Mechanical properties</b>            |                   |                      |                            |
| Yield stress                            | DIN EN ISO 527    | MPa                  | 20,5                       |
| Elongation at break                     | DIN EN ISO 527    | %                    | 15                         |
| Tensile modulus of elasticity           | DIN EN ISO 527    | MPa                  | 1460                       |
| Notched impact strength                 | DIN EN ISO 179    | kJ / m <sup>2</sup>  | 5                          |
| <b>Thermal properties</b>               |                   |                      |                            |
| Melting temperature                     | ISO 11357-3       | °C                   | >180°C                     |
| Thermal conductivity                    | DIN 52612-1       | W / (m * K)          | 0,11                       |
| Coefficient of linear thermal expansion | DIN 53752         | 10 <sup>-6</sup> / K | 90                         |
| Service temperature, long term          | Average           | °C                   | 80                         |
| Service temperature, short term (max.)  | Average           | °C                   | 90                         |
| <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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