

### Technical Data Sheet

# Maywoflamm<sup>®</sup> ECE PC/ABS

#### Typical characteristics

- Flame retardant

#### Typical industries

- Vehicle Construction
- Bus
- Vacuum Forming

|   | Test method       | Unit                 | Guideline value           |
|---|-------------------|----------------------|---------------------------|
| <b>General properties</b>               |                   |                      |                           |
| Density                                 | DIN EN ISO 1183-1 | g / cm <sup>3</sup>  | 1,19                      |
| Flammability                            | ECE R118          |                      | Annex 6, 7, 8 (1,5-6,0mm) |
| <b>Mechanical properties</b>            |                   |                      |                           |
| Yield stress                            | DIN EN ISO 527    | MPa                  | 59                        |
| Elongation at yield stress              | DIN EN ISO 527    | %                    | 4,7                       |
| Elongation at break                     | DIN EN ISO 527    | %                    | 15,6                      |
| Tensile modulus of elasticity           | DIN EN ISO 527    | MPa                  | 2448                      |
| Notched impact strength                 | DIN EN ISO 179    | kJ / m <sup>2</sup>  | 15                        |
| <b>Thermal properties</b>               |                   |                      |                           |
| Melting temperature                     | ISO 11357-3       | °C                   | >220                      |
| Thermal conductivity                    | DIN 52612-1       | W / (m * K)          | 0,2                       |
| Coefficient of linear thermal expansion | DIN 53752         | 10 <sup>-6</sup> / K | 70                        |
| <b>Electrical properties</b>            |                   |                      |                           |
| Surface resistivity                     | DIN EN 61340      | Ohm                  | > 10 <sup>12</sup>        |
| Volume resistivity                      | DIN EN 61340      | Ohm                  | > 10 <sup>12</sup>        |

The information and recommendations contained in this document are based upon data collected by Röchling Industrial Allgäu and believed to be correct. However, no warranty of fitness for use or any other guarantees or warranty of any kind, expressed or implied, is made to the information contained herein. Röchling Industrial Allgäu assumes no responsibility for the results of the use of products and processes described herein.

#### Röchling Industrial Allgäu GmbH

Hinter den Gärten 20 • 87730 Bad Grönenbach/Germany (DE) • Tel. +49 8334 9857-0  
[info@roechling-maywo.de](mailto:info@roechling-maywo.de) • [www.roechling.com/industrial/groenenbach](http://www.roechling.com/industrial/groenenbach)

Print: 01/05/2024 • Release: 20/09/2023 • Version: 1.0  
 PIM-Version: 85 • PIM-ID: 709691 • PIM-Code: 85-27-10-6.6.4-12

