

## Technical Data Sheet

# Maywo<sup>®</sup> PS HI FT

PS

### Typical characteristics

- Alta resistencia al impacto incluso a bajas temperaturas.

### Typical industries

- Tecnología de embutición profunda

|   | Test method             | Unit                 | Guideline value    |
|---|-------------------------|----------------------|--------------------|
| <b>General properties</b>               |                         |                      |                    |
| Density                                 | DIN EN ISO 1183-1       | g / cm <sup>3</sup>  | 1,06               |
| Water absorption                        | DIN EN ISO 62           | %                    | < 0,1              |
| Flammability (Thickness 1,5 mm)         | UL 94                   |                      | HB*                |
| <b>Mechanical properties</b>            |                         |                      |                    |
| Yield stress                            | DIN EN ISO 527          | MPa                  | 20                 |
| Elongation at break                     | DIN EN ISO 527          | %                    | 60                 |
| Tensile modulus of elasticity           | DIN EN ISO 527          | MPa                  | 1600               |
| Notched impact strength                 | DIN EN ISO 179          | kJ / m <sup>2</sup>  | 11                 |
| <b>Thermal properties</b>               |                         |                      |                    |
| Melting temperature                     | ISO 11357-3             | °C                   | >170°C             |
| Thermal conductivity                    | DIN 52612-1             | W / (m * K)          | 0,17               |
| 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                 |
| Vicat softening temperature             | DIN EN ISO 306, Vicat B | °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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\*internal test

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