

## Technical Data Sheet

# Maywotron<sup>®</sup> XT H

PS

### Typical characteristics

- Electrically conductive

### Typical industries

- Tecnica di imbutitura
- Elettronica

|   | Test method             | Unit                 | Guideline value                   |
|---|-------------------------|----------------------|-----------------------------------|
| <b>General properties</b>               |                         |                      |                                   |
| Density                                 | DIN EN ISO 1183-1       | g / cm <sup>3</sup>  | 1,04                              |
| Water absorption                        | DIN EN ISO 62           | %                    | <0,1                              |
| <b>Mechanical properties</b>            |                         |                      |                                   |
| Yield stress                            | DIN EN ISO 527          | MPa                  | 18                                |
| Elongation at yield stress              | DIN EN ISO 527          | %                    | 1,1                               |
| Elongation at break                     | DIN EN ISO 527          | %                    | 47,9                              |
| Tensile modulus of elasticity           | DIN EN ISO 527          | MPa                  | 2021                              |
| Notched impact strength                 | DIN EN ISO 179          | kJ / m <sup>2</sup>  | 7,1                               |
| <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                                |
| Vicat softening temperature             | DIN EN ISO 306, Vicat B | °C                   | 98                                |
| <b>Electrical properties</b>            |                         |                      |                                   |
| Surface resisitivity                    | DIN EN 61340            | Ω                    | 10 <sup>2</sup> - 10 <sup>4</sup> |
| Volume resistivity                      | DIN EN 61340            | Ω                    | 10 <sup>2</sup> - 10 <sup>4</sup> |

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