

## Technical Data Sheet

# Optamid<sup>®</sup>

PA 6

### Typical characteristics

- Good toughness
- Good wear resistance
- Good dimensional stability

### Typical industries

- 建筑行业
- 用於電梯自動扶梯和移動步道的塑膠

|                               | Test method       | Unit                | Guideline value |
|-------------------------------|-------------------|---------------------|-----------------|
| <b>General properties</b>     |                   |                     |                 |
| Density                       | DIN EN ISO 1183-1 | g / cm <sup>3</sup> | 1,13-1,17       |
| Water absorption              | DIN EN ISO 62     | %                   | 6,1-7,1         |
| <b>Mechanical properties</b>  |                   |                     |                 |
| Yield stress                  | DIN EN ISO 527    | MPa                 | 75-90           |
| Elongation at break           | DIN EN ISO 527    | %                   | 20-40           |
| Tensile modulus of elasticity | DIN EN ISO 527    | MPa                 | 3300 - 4000     |
| Notched impact strength       | DIN EN ISO 179    | kJ / m <sup>2</sup> | 3,5-6,0         |
| <b>Thermal properties</b>     |                   |                     |                 |
| Melting temperature           | ISO 11357-3       | °C                  | 220 - 230       |

All Information correspond to the current state of our knowledge. The above mentioned values are ranges ascertained by statistical tests on a regular base. They display product information and should be used as guide only to choose from our range of materials. We do not ensure specific properties or suitabilities for particular applications. The material properties rely e.g. on the product dimension, thus the actual value of a particular product may differ from indicated values. Additional specific properties and values can be provided on request. Our material selection for a specific application is based on information by the customer. Despite given recommendation for applications by Röchling Industrial Xanten GmbH, the enduser is still liable to ensure that no third party is affected legally. Furthermore please refer to our general terms and conditions (AGB) <https://www.roechling.com/gtc>

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

