

## PE 1000 UHMW Blauw

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| ISO                      | PE-UHMW polyethylene, ultra high molecular weight |
| Shape                    | Rod                                               |
| Color                    | Blue                                              |
| Temperature Range        | -200 and 80 °C                                    |
| <u>tbl temp melting</u>  | 135 °C                                            |
| Density                  | 930 kg/m3                                         |
| Hardness                 | 60 Shore D                                        |
| Elongation at break      | 50 %                                              |
| Tensile strength         | 19 N/mm2                                          |
| Flame Resistance (UL 94) | HB                                                |

### Material information

Measurement tolerance 2768-mK

This material is self-lubricating and has a unique combination between low friction and high impact strength. e



European Food Grade according to EC 1935:2004

### Item Overview

| Item Code | Item Name                            | Width (mm) | Length (mm) |
|-----------|--------------------------------------|------------|-------------|
| 70200200  | PE 1000 blauw Food Grade staf 20 mm  |            | 1.000       |
| 70200300  | PE 1000 blauw Food Grade staf 30 mm  |            | 1.000       |
| 70200400  | PE 1000 blauw Food Grade staf 40 mm  |            | 1.000       |
| 70200500  | PE 1000 blauw Food Grade staf 50 mm  |            | 1.000       |
| 70200600  | PE 1000 blauw Food Grade staf 60 mm  |            | 1.000       |
| 70200700  | PE 1000 blauw Food Grade staf 70 mm  |            | 1.000       |
| 70200800  | PE 1000 blauw Food Grade staf 80 mm  |            | 1.000       |
| 70200900  | PE 1000 blauw Food Grade staf 90 mm  |            | 1.000       |
| 70201000  | PE 1000 blauw Food Grade staf 100 mm |            | 1.000       |
| 70201200  | PE 1000 blauw Food Grade staf 120 mm |            | 1.000       |
| 70201500  | PE 1000 blauw Food Grade staf 150 mm |            | 1.000       |



## Water absorption

The extent to which the product absorbs water when tested for 24 hours in water at 23 degrees in accordance with ISO 63.

| Immersion | Saturation |
|-----------|------------|
| 0,100 %   | 0,100 %    |

## Thermal properties

[tbl\\_thermal\\_explainer](#)

| <a href="#">tbl_thermische_geleiding</a> | <a href="#">tbl_lin_uitzet_2360</a> | <a href="#">tbl_lin_uitzet_23100</a> | <a href="#">tbl_temp_deflection_load</a> |
|------------------------------------------|-------------------------------------|--------------------------------------|------------------------------------------|
| 0,400 W/(K.m)                            | 0 x 10-6 m/(m.K)                    | 200 x 10-6 m/(m.K)                   | 42 °C                                    |

*We provide product information as known by us with great care. We cannot accept any liability for errors and/or inaccuracies and/or incompleteness. Please note that our products are intended for professional use only. For high impact applications and/or combinations of limit values we always recommend to have the properties specific to that situation verified by us. If there are multiple specifications for a product we will use the standard of 2mm or the closest specification.*

