



## NEUFロン 279

This TDS describes a special mineral filled PTFE made by compression molding and sintering of non free flow powder, used in the production of high performance components

Great wear resistance  
Good creep value  
Low friction  
Contact with steam and water

Mainly used for Slippers, Rotoslippers and guide elements

**HD SLIPPERS SRL certifies NEUFロン® 279 is approved with drinkable water and meets the requirements of KTW-leitlinie des umweltbundesamtes (UBA) with certificate KA 0445/16 of 10/03/2017 – test starts 14/11/2011 certificate expires 21/03/2022 -extension valid for month 6 (six)**

**EU regulations**  
**Reg.CE 10/2011 Report N°: 171763**  
**Data: 14/07/2017**  
Laboratoio Cepra (BO)

**HD SLIPPERS SRL**  
legal representative





## NEUFLON 279

| PROPERTY   | METHOD     | UNITS                        | VALUE            |
|--|------------|------------------------------|------------------|
| <u>PHYSICAL-MECHANICAL</u>                                       |            |                              |                  |
| Color  |            |                              | light Brown/Pink |
| Specific gravity   | ASTM D792  | g/cm <sup>3</sup>            | 2,18-2,22        |
| Hardness   | ASTM D2240 | Sh.D                         | ≥60              |
| Tensile strength   | ISO12086   | N/mm <sup>2</sup>            | ≥20              |
| Elongation   | ISO12086   | %                            | ≥250             |
| Deformation under load<br>(140 Kg/cm <sup>2</sup> 24hrs at 23°C) | ASTM D621  | %                            | ≤14              |
| Coefficient of dynamic friction                                  | ASTM D1894 | /                            | 0,09             |
| Wear coefficient K   | ASTM D3702 | /                            | 10-20            |
| <u>THERMAL</u>   |            |                              |                  |
| Service temperature (min-max)                                    | /          | °C                           | -200/+260        |
| Coeff. of linear thermal expansion<br>(25-100 °C)                | ASTM D696  | 10 <sup>-5</sup> (mm/mm)/ °C | 11-13            |
| <u>ELECTRICAL</u>  |            |                              |                  |
| Volume resistivity   | ASTM D257  | Ω*cm                         | 10 <sup>15</sup> |
| Surface resistivity  | ASTM D257  | Ω                            | 10 <sup>15</sup> |

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