



NEUFLON 103

This TDS describes a 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
Non lubricated reciprocating and rotary application

Mainly used for Slippers, Rotoslippers, Rotolip and Enerseal

Certifications

HD SLIPPERS SRL certifies that the NEUFLON® 103 complies with the following legal requirements

- EU No 10/2011
- EC 2023/2006

- Decreto Ministeriale n° 21/03/1973 e s.m.i.
- D.P.R. n° 777/82 e s.m.i.

- FDA 21CFR 177.1550





NEUFロン 103

PROPERTY	METHOD	UNITS	VALUE
<u>PHYSICAL-MECHANICAL</u>			
Color			Black/Grey
Specific gravity	ASTM D792	g/cm ³	2,03-2,12
Hardness	ASTM D2240	Sh.D	≥60
Tensile strength	ASTM D3745	N/mm ²	≥20
Elongation	ASTM D3745	%	≥200
Deformation under load (140 Kg/cm ² 24hrs at 23°C)	ASTM D621	%	13,2-15,4
Coefficient of dynamic friction	ASTM D1894	/	0,18-0,27
Wear coefficient	/	10 ⁻⁸ .cm ³ .min/ Kg m h	115
<u>THERMAL</u>			
Service temperature (min-max)	/	°C	-200/+260
Coeff. of linear thermal expansion (25-100 °C)	ASTM D696	10 ⁻⁵ (mm/mm)/ °C	10-13

The data and information contained in this note, while being the result of many years of experience, are only indicative. The company HD Slippers S.r.l. will not be responsible neither for the impact of use of such data, nor for any conflict with existing patents.

This document is reachable at HD Slippers S.r.l.