



NEUFLON 020

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

Low friction
Good creep value

Mainly used for static seals, back up ring, bushing wear and guide ring or other mechanical elements

Certifications

HD SLIPPERS SRL certifies that the NEUFLON® 020 complies with the following legal requirements

- EU 1935/2004 - 10/2011 on plastic materials and articles to come in contact with food
- Code of Federal regulation 21 CFR Ch.1; section 177.1550 Perfluorocarbon Resins of the Food and Drug Administration/US
- Certificate of sanitary conformity (ACS)
- KTW (Kunststoffe und Trinkwasser)
- NSF International, NSF/ANSI 61 Drinking Water System Components - Health Effects, Joining and Sealing Materials
- DVGW Arbeitsblatt W 270
- BS 6920-1: 2000





NEUFLOX 020

PROPERTY	METHOD	UNITS	VALUE
<u>PHYSICAL-MECHANICAL</u>			
Color			White
Specific gravity	ASTM D792	g/cm ³	2,13-2,19
Hardness	ASTM D2240	Sh.D	≥51
Tensile strength	ASTM D4894	N/mm ²	≥20
Elongation	ASTM D4894	%	≥200
Deformation under load (140 Kg/cm ² 24hrs at 23°C)	ASTM D621	%	≤17
Coefficient of dynamic friction	ASTM D1894	/	0,06-0,08
Wear coefficient	/	10 ⁻⁸ .cm ³ .min/ Kg m h	20000
<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	12-15

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.