



NEUFLON 095

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

Great wear resistance
Reduced deformation under loads
Reduced friction
Improved non permeability behaviour
Exceptional behaviour in heavy static application

Mainly used for Enerseals and guide rings

Certifications

HD SLIPPERS SRL certifies that the NEUFLON® 095 complies with the following legal requirements

- EU No 1935/2004
- EC 2023/2006

- FDA 21CFR 177.1550





NEUFLOX 095

PROPERTY	METHOD	UNITS	VALUE
<u>PHYSICAL-MECHANICAL</u>			
Color			White
Specific gravity	ASTM D792	g/cm ³	2,14-2,19
Hardness	ASTM D2240	Sh.D	≥54
Tensile strength	ASTM D4894	N/mm ²	≥28
Elongation	ASTM D4894	%	≥400
Deformation under load (140 Kg/cm ² 24hrs at 23°C)	ASTM D621	%	9-12
Coefficient of dynamic friction	ASTM D1894	/	0,06-0,08
Wear coefficient	/	10 ⁻⁸ .cm ³ .min/ Kg m h	20000-25000
<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	12-14

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