



NEUFLON 009

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

Low friction
Good creep value
Non lubricated reciprocating and rotary application

Mainly used for Slippers, Rotoslippers, and Enerseal

Certifications

HD SLIPPERS SRL certifies that the NEUFLON® 009 complies with the following legal requirements

- Code of Federal regulation 21 CFR Ch.1; section 177.1550 Perfluorocarbon Resins of the Food and Drug Administration/US
- EU 1935/2004 - 10/2011 on plastic materials and articles to come in contact with food





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PROPERTY	METHOD	UNITS	VALUE
<u>PHYSICAL-MECHANICAL</u>			
Color			Blue/Turquoise
Specific gravity	ASTM D792	g/cm ³	2,13-2,19
Hardness	ASTM D2240	Sh.D	≥51
Tensile strength	ISO 527	N/mm ²	≥24
Elongation	ISO 527	%	≥250
Deformation under load (140 Kg/cm ² 24hrs at 23°C)	ASTM D621	%	≤17
Coefficient of dynamic friction	ASTM D1894	/	0,08-0,10
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	11-13

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.