



NEUFLON 043

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® 043 complies with the following legal requirements

- EU 1935/2004 - 10/2011 on plastic materials and articles to come in contact with food. It is suitable to be used in contact with aqueous, acidic, alcoholic and oily fatty foodstuffs for which stimulants A, B and D2 are used, according to EU Reg.10/2011
- Code of Federal regulation 21 CFR Ch.1; section177.1550Perfluorocarbon Resins of the Food and Drug Administration/US
- ISO 10993-5:2009: the material must be considered NOT CITOTOXIC
- ISO 10993-5:2009: the material must be considered NOT IRRITANT





NEUFLOX 043

PROPERTY	METHOD	UNITS	VALUE
<u>PHYSICAL-MECHANICAL</u>			
Color			Black/Grey
Specific gravity	ASTM D792	g/cm ³	2,14-2,17
Hardness	ASTM D2240	Sh.D	≥55
Tensile strength	ASTM D4745	MPa	≥16
Elongation	ASTM D4745	%	≥180
Deformation under load (140 Kg/cm ² 24hrs at 23°C)	ASTM D621	%	9,5-11
Coefficient of dynamic friction	ASTM D1894	/	0,10-0,12
Wear coefficient	/	10 ⁻⁸ .cm ³ .min/ Kg m h	2500
<u>THERMAL</u>			
Service temperature (min-max)	/	°C	-200/+250
Coeff. of linear thermal expansion (25-100 °C)	ASTM D696	10 ⁻⁵ (mm/mm)/ °C	8-13

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.