



## NEUFLON 074

This TDS describes a non abrasive UHMW-PE with low friction coefficient and high wear and extrusion resistance, it has great chemical stability and is suitable for many Food and Pharma applications

Mainly used for static seals, Slippers, Rotoslippers and Enerseals

### Certifications

HD SLIPPERS SRL certifies that the NEUFLON® 074 complies with the following legal requirements

- FDA-regulations (Food and Drug Administration No.: 21CFR177.1520 for Olefin Polymers)
- EU 1935/2004, EU 10/2011 and EU 2023/2006
- free of Cadmium
- do not contain brominated fire retarding agents
- physiologically unobjectionable
- ISO 11542-1, ASTM D4020
- Monographs VI.2.2.1 and VI.1.2.2.2 (PE) in the European Pharmacopoeia, 2nd edition, as well as similar monographs in national pharmacopoeias, e.g. German Pharmacopoeia 9 (DAB 9)
- Monograph VI.1.2.2.2 applies only to uncolored PE-UHMW.





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PROPERTY	METHOD	UNITS	VALUE
<u>PHYSICAL-MECHANICAL</u>			
Color			White
Specific gravity	ISO 1183	g/cm <sup>3</sup>	0,93
Hardness	ISO 868	Sh.D	61
Tensile strength	ISO 527-2/1A	MPa	17
Elongation	ISO 527-2/1A	%	≥50
Coefficient of dynamic friction	ASTM D1894	/	0,25
<u>THERMAL</u>			
Service temperature (min-max)	/	°C	-200/+80
Coeff. of linear thermal expansion (25-100 °C)	ISO 11359-2	E-4/°C	2
Flammability	UL 94	class	HB

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.**