



NEUFLON 031

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 and guide elements





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PROPERTY	METHOD	UNITS	VALUE
<u>PHYSICAL-MECHANICAL</u>			
Color			Green
Specific gravity	ASTM D792	g/cm ³	3,00-3,20
Hardness	ASTM D2240	Sh.D	≥58
Tensile strength	ASTM D3745	N/mm ²	≥15
Elongation	ASTM D3745	%	≥180
Deformation under load (140 Kg/cm ² 24hrs at 23°C)	ASTM D621	%	7-10
Coefficient of dynamic friction	ASTM D1894	/	0,14-0,16
Wear coefficient	/	10 ⁻⁸ .cm ³ .min/ Kg m h	15-20
<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	8-11

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