



NEUFLON 059

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
Great wear resistance
Non lubricated reciprocating and rotary application

Mainly used for Slippers, Rotoslippers and guide rings





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PROPERTY	METHOD	UNITS	VALUE
<u>PHYSICAL-MECHANICAL</u>			
Color			Black/Grey
Specific gravity	ASTM D792	g/cm ³	2,05-2,11
Hardness	ASTM D2240	Sh.D	≥62
Tensile strength	ISO 527	N/mm ²	≥12
Elongation	ISO 527	%	≥70
Deformation under load (13,7 N/mm ² 24hrs at 23°C)	ASTM D621	%	≤5,5
Coefficient of dynamic friction	ASTM D1894	/	0,12-0,30
Wear coefficient K	ASTM D3702	/	0,01-0,03
<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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