vanéflon n.v. s.a.
ISO 9001 CERTIFIED
HIGH PERFORMANCE PLASTICS
HIGH PERFORMANCE SOLUTIONS

PVDF

Properties	Norm	Value	Unit
Mechanical properties			
Hardness shore D	DIN 53 505	72 – 82	Sh. D.
Ball pressure hardness	DIN 53 456	62 – 68	N/mm²
Tensile strength (23°C)	DIN 53 455	38 – 50	N/mm²
Elongation at break (23°C)	DIN 53 455	20 – 80	%min
Tensile modulus	DIN 53 457	800 – 1800	N/mm²
Coëff. of friction v-steel – dynamic	--	0,45	--
Physical properties			
Water absorption	DIN 53 495	0,03	%
Electrical properties			
Dielectric strength	DIN 53 481	40 – 80	KV/mm
Thermal properties			
Coefficient of thermal expansion (20-100°C)	--	10	$1/K.10^{-5}$
Thermal conductivity (23°C)	DIN 52 612	0,17	W/K.m
Maximum Continuous operating temperature	--	150	°C
Minimum Continuous operating temperature	--	-60	°C

IDS – INFORMATIONAL DATASHEET

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