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

VFG-Green,
VFX1-Blue
VF-Maroon

Properties	Norm	Value	Unit
Mechanical properties			
Hardness shore D	DIN 53 505	62 – 64	Sh. D.
Tensile strength (23°C)	DIN 53 455	16 – 20	N/mm²
Elongation at break (23°C)	DIN 53 455	240 – 280	%min
Tensile modulus	DIN 53 457	1200	N/mm²
PV – limit 3m/min	--	25	$\frac{N.M}{mm^2.min}$
PV – limit 30m/min	--	29	$\frac{N.M}{mm^2.min}$
PV – limit 300m/min	--	32	$\frac{N.M}{mm^2.min}$
Coëff. of friction – statical	--	0,16	--
Coëff. of friction v-steel – dynamic	--	0,11	--
Wear $K.10^{-8}$	--	7,7	$\frac{cm^3.min}{kg.m.h}$
Physical properties			
Water absorption	ASTM D570	0,015	%
Deformation after 24h at 23°C – 15N/mm²	ASTM D621	7,50	%
Deformation after 24h at 260°C – 4N/mm²	ASTM D621	2,20	%
Compr. strength at 1% deformation (23°C)	DIN 53 454	12,50	N/mm²
Electrical properties			
Dielectric strength	ASTM D149	11 – 12	KV/mm
Thermal properties			
Coefficient of thermal expansion (20-150°C)	--	9,4	$1/K.10^{-5}$
Coefficient of thermal expansion (150-260°C)	--	12,8	$1/K.10^{-5}$
Thermal conductivity (23°C)	DIN 52 612	0,39	W/K.m
Maximum Continuous operating temperature	--	250	°C
Minimum Continuous operating temperature	--	-200	°C

IDS – INFORMATIONAL DATASHEET

Disclaimer: Information contained in this data sheet is up-to-date and correct as at the date of issue. The given information is only informative and we cannot guarantee the accuracy nor can we take any accountability for the use of this information. The customer is responsible for the quality of products and has to test usage and processing to use. Some values are based on the datasheet of the supplier, internal tests and research. The values are guideline values that can be used for comparison for material selection.

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