



MATERIAL DATASHEET

(Revision 16-02-2022)

GENERAL PROPERTIES

Compound name:	NDS-235
Compound description:	PTFE + 10% carbon fiber
Color:	Dark grey
Operating temperature range:	-200°C to +260°C
Approvals/certifications:	n/a

PHYSICAL PROPERTIES

Property	Specified	Test result	Unit	Standard
Hardness	≥ 64	-	Shore D	ISO 868
Specific gravity	2.05-2.10	-	g/cm ³	ISO 1183
Tensile strength CD	≥ 11	-	N/mm ² (MPa)	ISO 527-1
Elongation at break CD	≥ 300	-	%	ASTM D 1457
Nominal strain at break CD	≥ 30	-	%	ISO 527-1
Coefficient of linear thermal expansion (T= +15 > +125°C)	2*10 ⁻⁴	-	mm/mm/°K	ASTM E 831

*In normal conditions: +23°C/50% relative humidity
CD: Cross Direction*

Disclaimer

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