



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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