



# MATERIAL DATASHEET

(Revision 22-02-2022)

GENERAL PROPERTIES	
Compound name:	NDS-640
Compound description:	PTFE + 40% bronze
Color:	Dark grey/brown
Operating temperature range:	-200°C to +260°C
Approvals/certifications:	n/a

MECHANICAL PROPERTIES			
Property	Specified	Unit	Standard
Specific gravity (23°C)	≥3.12	g/cm <sup>3</sup>	ASTM D 792
Hardness	62±2	Shore D	ISO 7619-1986
Tensile stress at break (23°C)	≥24	MPa	ASTM D 4894
Tensile elongation at break (23°C)	≥250	%	ASTM D 4894
Ball Indention hardness	>29	MPa	ISO 2039-1

## Disclaimer

This information is to the best of our knowledge accurate to the date indicated. However, NewDealSeals make no warranty, expressed or implied that parts manufactured from this material will perform satisfactorily in the customer's application. It is the customer's responsibility to evaluate parts prior to use, especially in applications where their failure may result in injury and/or damage. It should also be noted that all elastomeric parts have a finite life, therefore a regular program of inspection and replacement is strongly recommended. TGA, infrared and other types of analysis must be agreed, fixed and approved by both parties with specifications and tolerances; on the contrary results can neither confirmed nor guaranteed. Nothing herein shall be construed as a recommendation to infringe any existing patent or violate any applicable law. The distribution of this document is not monitored. This data sheet is not subject to an automatic update.