

## COMPOUND DATA SHEET

 Compound : **PD501**

 Elastomer : **NBR**

Characteristics	Unit	Test method	Value
Color			black
<b>Original physical properties</b>			
▪ Hardness Shore A	Point	ISO 7619	54
▪ Hardness IRHD	°SN	ISO 48	54
▪ Tensile strength	MPa	ISO 37	12
▪ Elongation at break	%	ISO 37	400
<b>Compression set: 24h at 100°C</b>	%	ISO 815-1	15
<b>Low temperature properties</b>			
▪ TR10	°C	ISO 2921	-30
▪ Brittle point	°C	ISO 812	-40
<b>Fluid resistance</b>		ISO 1817	
▪ Volume change after 70h at 100°C in:	%		
- Oil n°1			-10
- Oil n°2			-4
- Oil n°3			+3
▪ Volume change after 70h at 23°C in:	%		
- Liquid A			+2
- Liquid B			+22
- Liquid C			+45
<b>Ozone resistance: 40°C – 50 pphm – 20% elongation</b>	h	ISO 1431	72

- The results above are the typical values taken from numerous tests carried out on pieces in accordance with ISO standards.

- The data listed here fall within the normal range of properties, but it should not be used to establish specification or performance limits.

- These typical data are not sufficient to determine the suitability of a material for a particular purpose, and cannot be used as a basis of design.

- This compound is not necessarily suitable for manufacturing all types of products.

**CONSULT US BEFORE FINALISING DECISIONS.**