

### Technical Data Sheet

Compound: N70 - Nitrile (NBR- Butadine Rubber)  
Colour: Black

Complies with: ASTM D2000 M2BG714 A14 B14 EA14 EO14 EO34 EF11 EF21 F17

	<u>Required</u>	<u>Tested</u>
<u>Mechanical Properties</u>		
Shore Hardness (Sh.A):	70	71
Tensile Strength (MPa):	14	14
Elongation at Break (%):	250	385
Specific Gravity:	n/a	1.19
<u>Thermal Properties</u>		
Operating Temperature Range (°C):	n/a	- 30 to +120
Compression Set Test @ 100°C for 22 Hours (%):	25	13
Heat Resistance Test @ 100°C X 70 Hours		
Hardness Change Points:	± 15	+3
Tensile Strength Change (%):	± 30	+2
Elongation Change (%):	- 50	-12
Water Resistance Test @ 100°C X 70 Hours		
Hardness Change Points:	±10	-4
Volume Change (%):	±10	+4.3
Fuel A Resistance Test @ 23°C X 70 Hours		
Hardness Change Points:	±10	+2
Tensile Strength Change (%):	-20	-10.84
Elongation Change (%):	-20	-12.61
Volume Change (%):	-5 or +10	+1.2
Fuel B Resistance Test @ 23°C X 70 Hours		
Hardness Change Points:	0 to -30	-7
Tensile Strength Change (%):	-60	-39.61
Elongation Change (%):	-60	-41.29
Volume Change (%):	0 to +40	+16.11
ASTM No.1 Oil Immersion Test @ 100°C X 70 Hours		
Hardness Change Points:	-5 to +10	+3
Tensile Strength Change (%):	-25	+4
Elongation Change (%):	-45	-19
Volume Change (%):	-10 to +5	-1
ASTM IRM 903 Oil Immersion Test @ 100°C X 70 Hours		
Hardness Change Points:	10 to +5	+2
Tensile Strength Change (%):	-45	-21
Elongation Change (%):	-45	-16
Volume Change (%):	0 to +25	+9