

Technical Data Sheet

Compound: HNBR70 – HNBR (Hydrogenated Acrylonitrile Butadiene Rubber)
Colour: Black

Complies with: ASTM D2000 M3DH710 A26 B16 EO16 EO36
FDA Standards

	<u>Required</u>	<u>Tested</u>
<u>Mechanical Properties</u>		
Shore Hardness (Sh.A):	70 ± 5	71
Tensile Strength (MPa):	10	14.8
Elongation at Break (%):	200	425
Specific Gravity:	n/a	1.21
<u>Thermal Properties</u>		
Operating Temperature Range (°C):	n/a	- 48 to +150
Compression Set Test @ 150°C for 22 Hours (%):	30	12
Heat Resistance Test @ 150°C X 70 Hours		
Hardness Change Points:	+10	+6
Tensile Strength Change (%):	-25	-3
Elongation Change (%):	-30	-23
ASTM No.1 Oil Immersion Test @ 150°C X 70 Hours		
Hardness Change Points:	-5 to +10	-4
Tensile Strength Change (%):	-20	-3
Elongation Change (%):	-30	-11
Volume Change (%):	± 5	+ 1
ASTM No. 3 Oil Immersion Test @ 150°C X 70 Hours		
Hardness Change Points:	-15	-13
Tensile Strength Change (%):	-30	-14
Elongation Change (%):	-30	-7
Volume Change (%):	+ 25	+10