

## Material : Hydrogenated Nitrile Butadiene Rubber (HNBR)

### MAX SPARE Code : HN 80 LT (Low Temperature)

Physical properties	Nominal	Units
<b>Hardness</b> ASTM D 2240, 23°C	80-85	Shore A
<b>Tensile strength</b> ASTM D 412, 23°C	> 102	Kg/cm <sup>2</sup>
<b>Elongation at break</b> ASTM D 412, 23°C	> 200	%
<b>Compression set</b> ASTM D 395, 150°C, 22 h, 25 %	< 30	%
<b>Air Ageing</b> ASTM D 573, 150°C, 70 h		
Hardness Change	<(+10)	Points
Tensile Change	<(-25)	%
Elongation Change	<(-50)	%
<b>Fluid Resistance, IRM-901</b> ASTM D 471, 150°C, 70 h		
Hardness Change	-5 to+10	Points
Tensile Change	<(-30)	%
Elongation Change	<(-40)	%
Volume Change	-10 to +5	%
<b>Fluid Resistance, IRM-903</b> ASTM D 471, 150°C, 70 h		
Hardness Change	-15 to +5	Points
Tensile Change	<(-40)	%
Elongation Change	<(-40)	%
Volume Change	0 to +25	%
<b>Specific Gravity</b> ASTM D 792, 23°C	1.25 ± 0.02	g/cc
<b>Ash Content</b> 800°C, 2 Hrs	< 10	%
<b>Service Temperature</b>	-45 to 150	°C

#### Disclaimer

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