



## Material : Hydrogenated Nitrile Butadiene Rubber (HNBR)

**MAX SPARE Code : HF 80**

Physical properties	Nominal	Units
<b>Hardness</b> ASTM D 2240, 23°C	80-85	Shore A-2
<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	<(-20)	%
Elongation Change	<(-30)	%
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	<(-30)	%
Volume Change	0 to +25	%
<b>Specific Gravity</b> ASTM D 792, 23°C	1.26 ± 0.02	g/cc
<b>Ash Content</b> 800°C, 2 Hrs	< 10	%
<b>Operating Temperature</b>	-30 to 150	°C

### Disclaimer

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Max Spare cannot anticipate all variations in actual end-use conditions Max Spare makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.