

Material : Hydrogenated Nitrile Butadiene Rubber (HNBR)

MAX SPARE Code : HN 80 HT (High Tensile)

Physical properties	Nominal	Units
Hardness ASTM D 2240, 23°C	80-85	Shore A
Tensile strength ASTM D 412, 23°C	> 3000	psi
Elongation at break ASTM D 412, 23°C	> 200	%
Compression set ASTM D 395, 150°C, 22 h, 25 %	< 30	%
Air Ageing ASTM D 573, 150°C, 70 h		
Hardness Change	<(+10)	Points
Tensile Change	<(-25)	%
Elongation Change	<(-50)	%
Fluid Resistance, IRM-901 ASTM D 471, 150°C, 70 h		
Hardness Change	-5 to+10	Points
Tensile Change	<(-20)	%
Elongation Change	<(-30)	%
Volume Change	-10 to +5	%
Fluid Resistance, IRM-903 ASTM D 471, 150°C, 70 h		
Hardness Change	-15 to +5	Points
Tensile Change	<(-40)	%
Elongation Change	<(-30)	%
Volume Change	0 to +25	%
Specific Gravity ASTM D 792, 23°C	1.26 ± 0.02	g/cc
Ash Content 800°C, 2 Hrs	< 10	%
Service Temperature	-30 to 150	°C

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