

Material : Hydrogenated Nitrile Butadiene Rubber (HNBR)

MAX SPARE Code : HN 90

Physical properties	Nominal	Actual	Units
Hardness ASTM D 2240, 23°C	90-95	93	Shore A
Tensile strength ASTM D 412, 23°C	> 102	220	Kg/cm ²
Elongation at break ASTM D 412, 23°C	> 100	190	%
Compression set ASTM D 395, 150°C, 22 h, 25 %	< 30	11.60	%
Air Ageing ASTM D 573, 150°C, 70 h			
Hardness Change	<(+10)	+2	Points
Tensile Change	<(-25)	-1.68	%
Elongation Change	<(-50)	-9.51	%
Fluid Resistance, IRM-901 ASTM D 471, 150°C, 70 h			
Hardness Change	-5 to+10	+3	Points
Tensile Change	<(-20)	-4.11	%
Elongation Change	<(-30)	-18.41	%
Volume Change	-10 to +5	-5.94	%
Fluid Resistance, IRM-903 ASTM D 471, 150°C, 70 h			
Hardness Change	-15 to +5	-2	Points
Tensile Change	<(-40)	-11.45	%
Elongation Change	<(-30)	-4.51	%
Volume Change	0 to +25	4.06	%
Specific Gravity ASTM D 792, 23°C	1.28 ± 0.02	1.28	g/cc
Ash Content 800°C, 2 Hrs	< 10	6.51	%
Service Temperature	-30 to 150	-	°C

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