



114 Crown Point Road
 Westville, NJ 08093
 (856) 432-0012
 commercial@colonialseal.com
 www.colonialseal.com

NBR 70

Material : Acrylonitrile Butadiene Rubber (NBR)

Physical properties	Nominal	Units
Hardness ASTM D 2240, 23°C	70-75	Shore A
Tensile strength ASTM D 412, 23°C	> 102	Kg/cm ²
Elongation at break ASTM D 412, 23°C	> 250	%
Compression set ASTM D 395, 100°C, 22 h, 25 %	< 25	%
Air Ageing ASTM D 573, 100°C, 70 h		
Hardness Change	<(+15)	Points
Tensile Change	<(-20)	%
Elongation Change	<(-40)	%
Fluid Resistance, IRM-901 ASTM D 471, 100°C, 70 h		
Hardness Change	-5 to+15	Points
Tensile Change	<(-25)	%
Elongation Change	<(-45)	%
Volume Change	-10 to +5	%
Fluid Resistance, IRM-903 ASTM D 471, 100°C, 70 h		
Hardness Change	<(-15)	Points
Tensile Change	<(-45)	%
Elongation Change	<(-45)	%
Volume Change	0 to +35	%
Specific Gravity ASTM D 792, 23°C	1.22 ± 0.02	g/cc
Ash Content 800°C, 2 Hrs	<(5)	%
Service Temperature	-30 to 100	°C