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NBR 80

Material : Acrylonitrile Butadiene Rubber (NBR)

Physical properties	Nominal	Units
Hardness ASTM D 2240, 23°C	80-85	Shore A
Tensile strength ASTM D 412, 23°C	> 102	Kg/cm ²
Elongation at break ASTM D 412, 23°C	> 125	%
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		
	1.25 ± 0.02	g/cc
Ash Content 800°C, 2 Hrs		
	<(5)	%
Service Temperature	-30 to 100	°C