



## Specification Sheet

### Seal & Cylinder Source Incorporated

44250 Groesbeck Hwy.  
Clinton Township MI, 48036

Phone: 586-791-9001

Fax: 586-791-9033

E-mail: sales@sealandcylinder.com

### MATERIAL : NBR Acrylonitrile Butadiene Rubber (Black)

Property	Spec	Value
Hardness	DIN 53505	85A
Specific Gravity	DIN 53479	1.32 g/cm <sup>3</sup>
Tensile Strength	DIN 53504	17 N/mm <sup>2</sup>
Ultimate Elongation	DIN 53504	150%
20% Modulus	DIN 53504	N/mm <sup>2</sup>
100% Modulus	DIN 53504	11 N/mm <sup>2</sup>
300% Modulus	DIN 53504	N/mm <sup>2</sup>
Elasticity	DIN 53512	20%
Tear Strength	DIN 53507	9 N/mm <sup>2</sup>
Abrasion	DIN 53516	130 mm <sup>3</sup>
Impact Resilience	DIN 53512	-
Compression Set 70C 22 Hrs	DIN 53517	-
Compression Set 100C 22hrs	DIN 53517	9%
Brittle Point	DIN 53479	-
Minimum Service Temp.		-35° C
		-31° F
Maximum Service Temp.		120° C
		248° F
Color		Black

#### Description:

NBR is a elastomeric based on acrylonitrile butadiene rubber which is widely used in many different sealing profiles and components. NBR is very abrasion resistant and is highly elastic which allows for easy installation. This material is frequently used in hydraulic and pneumatic systems because of its excellent resistance to the majority of mineral oil-based fluids and greases. NBR also works well in water-based fire resistant fluids.