

## **JH-NBR 901**

It is black hydrogenated acrylonitrile-butadiene-rubber. H-NBR, excellent physical to most common hydraulic fluids

Shows properties and chemical resistance in oils / gases (H<sub>2</sub>S) and crude oils. Fast throttle decompression (rgd) or explosive in low temperature applications in the oil and gas industry is decompression (ED).

### **PHYSICAL CHARACTERISTICS**

Working Temperature Celcius -40 to +150

Density DIN 53479 g / cm<sup>3</sup> 1.39 ± 0.03

Hardness DIN53505 23 ° C Shore A 83 ± 5

100% Module DIN 53504 N / mm<sup>2</sup> 3,4

Tensile Strength DIN 53504 N / mm<sup>2</sup> 7.8

Elongation at Break DIN 53504 273.2%

Tear Strength ISO 34-1 B N / mm 10.4

Resilience to Return DIN 53512 39%

Compression DIN 53515 10.6% (24h, 70 ° C, 25%)

Compression DIN 53515 11.9% (24h, 100 ° C, 25%)

Compression DIN 53515 15.6% (24h, 150 ° C, 25%)

### **CHEMICAL PROPERTIES**

Chemical Resistant Areas

Up to 90 ° C water, Hfa, HFB, Hfc fluids, vegetable oils, silicone oils, biodegradable oils, diesel fuel, gasoline fuel, Mineral oils, air up to 80 ° C

Non Chemical Resistant Areas

Steam up to 140 ° C, acetone