



## TECHNICAL DATASHEET

### 70 SHORE HARDNESS – NBR (NITRILE) – BLACK

#### ACRYLONITRILE BUTADIENE ( NBR )

Also known as Acrylonitrile Butadiene Rubber / Buna-N / Nitrile is a copolymer of acrylonitrile & butadiene. It is known for having good resistance to fuels, oils & greases, it also works well with some solvents, alkalis including some dilute acids.

**Properties:** NBR (Nitrile) rubber has good to excellent resistance to abrasion, tear, solvent/oils, however it has poor resistance to weathering, sunlight & ozone.

#### Applications:

- Oil & Fuel
- Hydraulic Oils
- Low Temp Applications
- Sealing Purpose
- Automotive & Aeronautical

#### PHYSICAL PROPERTIES

PARAMETERS	UNIT	ASTM STANDARD SPECIFICATION	REQUIRED VALUE AS PER ASTM D2000	ISG TEST VALUE
Hardness	Shore A	ASTM D 2240	70 ± 5	70
Tensile Strength	Mpa	ASTM D 412	Min 14.00	14.5
Elongation At Break	%	ASTM D 412	Min 250	320
Specific Gravity	g/cm <sup>3</sup>	ASTM D 297	--	1.27g/cm <sup>3</sup>
Compression Set % 22hrs @ 100°C	%	ASTM D 395	Max 25	13%