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ELASTOMERS - HYDROGENATED NITRILES (HNBR)-

HYDROGENATED NITRILE RUBBER (HNBR)

Below is a brief listing of Akrochem’s commercial hydrogenated acrylonitrile-butadiene (HNBR) copolymers and their relevant typical properties. HNBR are best known for their resistance to aggressive technical oils with certain additives and to crude oil in the presence of hydrogen sulfide and amines (corrosion inhibitors), resistance to alkaline and oxidizing media. HNBR’s prominent characteristics are:

- ⇒ excellent oil, grease, hydrogen sulfide, amines, and fuel resistance
- ⇒ excellent high temperature and abrasion resistance
- ⇒ good dynamic fatigue resistance
- ⇒ excellent physical properties which are unaffected by temperature
- ⇒ low compression set, especially at high temperatures.

Applications that customarily benefit from the use of HNBR are in hoses, seals, gaskets, printing rollers, cable jacketing, down hole packers, roll covers, oil well cable covers, diaphragms, O-rings, blow out preventors, belts and other extruded and molded articles.

Dawn	Specific Gravity	Bound ACN Content	Mooney Viscosity	Iodine Number	Hydrogenation
Grade		% Weight	ML (1+4) 100°C		%
DN3406	0.98	34	60-70	≤ 10	99
DN3408	0.98	34	80-95	≤ 10	99
DN3418	0.98	34	80-95	10-18	97
DN3428	0.98	34	80-95	18-38	94
DN3448	0.98	34	80-95	46-60	88

Packaging: Bale Weight 55.0 lbs.

STORAGE:

Store in original packaging away from direct sunlight and sources of heat.

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