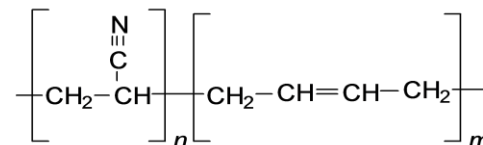


Highly Saturated Nitrile Butadiene Elastomer (HNBR and Fabric)



SPECIFICATIONS

Property	Spec	Value
Weight		740±30 gr/m ²
Thickness		0.80±0.05 mm
Tensile strength warp/weft	ISO1421	≥800/≥750 N/5cm
Coating adhesion	ISO2411	≥15 N/5cm
Low temperatures (bend test)	ISO4675	-15°C
Operating temperature		-20/+150°C
Cure status		Uncured
Roll length (m)		As request
Roll Width	ca	150 cm
Fabric	Type	Cotton
Weight		350 g/m ²
Color		Blue
Hardness Shore A	UNI ISO7619	65±5

DESCRIPTION

MN37 is a HNBR material with hardness 65±5 Shore A. The first commercialization of hydrogenated nitrile rubber HNBR copolymer was in 1984, almost 50 years after the commercialization of NBR. To obtain HNBR, NBR is hydrogenated during the polymer synthesis process. Hydrogen is selectively added to the unsaturated carbon-carbon double bonds, -C=C-, of butadiene in the NBR polymer to form saturated carbon-carbon single bonds -C-C-. Thus HNBR emphasizes two essential features: nitrile and a hydrogenated backbone. The nitrile polar group is responsible for HNBR's excellent oil and fuel resistance. The hydrogenated backbone is responsible for HNBR's significantly increased high temperature properties compared to NBR. HNBR has very good ozone and weather resistance thanks to its saturated backbone.