# EUROPRENE®
NBR

# N  3960
Acrylonitrile-Butadiene Rubbers

Europrene® N 3960 is a cold polymerized acrylonitrile-butadiene copolymer made at the Porto Torres production facility in Italy. A non staining antioxidant is added during the production process.

| Main Properties | Test Method | Typical Value |
|---|---|---|
| ACN Content, % wt | ASTM D 3533 | 39 |
| Mooney Viscosity ML 1+4(100 °C) | ASTM D 1646 | 60 |
| Volatile matter, % wt | ASTM D 5668 | 0.7 max |
| Ash, % wt | ASTM D 5667 | 0.5 max |
| Organic Acid, % wt | ASTM D 5774 | 0.5 max |
| Soap, % wt | ASTM D 5774 | 0.6 max |

## Key Features

The high ACN content confers to compounds based on Europrene® N 3960 good hardness properties and good oil and aliphatic hydrocarbon swelling resistance.  The vulcanization can be performed using sulphur based systems or with peroxides. The low temperature properties can be improved by adding polar plasticizers as synthetic esters of adipic, sebacic or phtalic acids. To improve heat, light and ozone resistance, suitable protective agents as amine or phenolic antioxidants have to be added in the compounding process.

## Main Applications

Applications requiring very high oil and fuel resistance and excellent mechanical properties.

## Physical Form

Light yellow bales wrapped in a strippable and easily dispersible polyethylene film (softening Vicat point: 90-100 °C)

## Packaging

Wooden crate IPPC, 30 kg bale, 40 bales per crate (1090 x 1250 x H1450 mm).

Wooden crate IPPC for over seas market, 30 kg bale, 30 bales per crate (1090 x 1250 x H1100 mm).

Label on the crate indicating the type, lot number, crate number, nominal net weight.

Polyethylene strip on bales with product type printed on it.

## Storage Conditions

Shelf life 24 months.

Store in vented , dry area at tempertures between 20°C and 30°C, no direct sunlight.

® Registered Trademark