



versalis

## Technical Data Sheet

### EUOPRENE®

NBR

### N 3330 GRN

Acrylonitrile-Butadiene Rubbers

Europrene® N 3330 GRN is an advanced technology 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 | 33            |
| Mooney Viscosity ML 1+4(100 °C) | ASTM D 1646 | 30            |
| Volatile matter, % wt           | ASTM D 5668 | 1.0 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

Europrene® N 3330 GRN is characterised by a low Mooney Viscosity that allow and excellent processability mostly in injection moulding applications. GRN grades show higher cure rate, higher low temperature flexibility, higher crosslinking density and better mechanical properties, better oil and fuel resistance in comparison to STD grades. The improved processability guarantees low mould fouling products and then long production runs, lower mould wear and less production controls. The vulcanization can be performed by sulphur based systems or by peroxides. The low temperature properties can be improved by adding polar plasticizers as synthetic esters of adipic, sebacic or phthalic 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

All injection moulding applications (low mould fouling).

### 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 temperatures between 20°C and 30°C, no direct sunlight.

