

Polimeri Europa Europrene® N 2845 GRN Acrylonitrile-Butadiene Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Europrene® N 2845 GRN is an advanced technology cold polymerized acrylonitrile-butadiene copolymer. A non staining antioxidant is added during the production process. Key Features: Europrene® N 2845 GRN is characterized by excellent processability and tear resistance at high temperature. 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 mold fouling products and then long production runs, lower mold wear and fewer production controls. The vulcanization can be performed by sulphur based systems or by peroxides. The low temperature properties can be further 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 to the compounding process. Main Applications: Grade with faster cure rate compared to equivalent standard type. Suitable for injection applications (low mold fouling). Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Europrene-N-2845-GRN-Acrylonitrile-Butadiene-Rubber.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------------|---------------------------|------------|
| Volatiles | <= 0.70 % | <= 0.70 % | ASTM D5668 |
| Mooney Viscosity | 45 @Temperature 100 °C | 45 @Temperature 212 °F | ASTM D1646 |
| Ash | <= 0.50 % | <= 0.50 % | ASTM D5667 |

| Descriptive Properties | Value | Comments |
|------------------------|-----------|------------|
| Acrylonitrile Content | 28% wt | ASTM D3533 |
| Organic Acid | < 0.5% wt | ASTM D5774 |
| Soap | < 0.6% wt | |

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