

Polimeri Europa Europrene® N 3945 GRN Acrylonitrile-Butadiene Rubber

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

Material Notes:

Europrene® N 3945 GRN is an advanced technology cold polymerized acrylonitrile-butadiene copolymer. A non staining antioxidant is added during the production process. Key Features: Europrene® N 3945 GRN is characterized by excellent processability and tear resistance at high temperature, good dimensional stability both in calendering and in extrusion. 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: Wide range of technical articles requiring good processability and a very high oil and fuel resistance. 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-3945-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	39% wt	ASTM D3533
Organic Acid	< 0.5% wt	ASTM D5774
Soap	< 0.6% wt	

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