

Europrene® N 1945 GRN

Acrylonitrile Butadiene Rubber

Versalis S.p.A.

Message:

Europrene® N 1945 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.

Europrene® N 1945 GRN is the grade with the best low temperature properties in Europrene N family. As all GRN grades it shows 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 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 in the compounding process.

Injected or extruded technical goods requiring oil resistance and very good low temperature flexibility. Food contact applications.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Fast Cure
	Fuel Resistant
	Low Temperature Flexibility
	Low Temperature Resistant
	Oil Resistant
Uses	Non-specific Food Applications
Appearance	Yellow
Forms	Bale
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	45	MU	ASTM D1646
Acrylonitrile Content	19.0	wt%	ASTM D3533
Ash Content	< 0.5	wt%	ASTM D5667
Organic Acid	< 0.5	wt%	ASTM D5774
Soap	< 0.6	wt%	ASTM D5774
Volatile Matter	< 0.70	wt%	ASTM D5668

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