

# Europrene® N 3945

Acrylonitrile Butadiene Rubber

Versalis S.p.A.

## Message:

Europrene® N 3945 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.

The high ACN content confers to compounds based on Europrene® N 3945 good hardness properties and good oil and aliphatic hydrocarbon swelling resistance. The vulcanization can be performed using a sulphur based systems or with 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.

Wide range of technical articles requiring good processability and a very high oil and fuel resistance.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Fuel Resistant		
	High Hardness		
	Hydrocarbon Resistant		
	Oil Resistant		
Appearance	Yellow		
Forms	Bale		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	45	MU	ASTM D1646
Acrylonitrile Content	39.0	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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