

Europrene® N 4560

Acrylonitrile Butadiene Rubber

Versalis S.p.A.

Message:

Europrene® N 4560 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.

Europrene® N 4560 is characterised by the highest oil and aliphatic hydrocarbon swelling resistance among the Europrene N grades. Mechanical properties decay of articles based on this elastomer is very limited also after long contact time with fuels whereas permeability of vulcanised articles is very low. The vulcanization can be performed using 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. If the finished rubber article requires particular resistance to heat, light and ozone resistance, then suitable protective agents as amine or phenolic antioxidants have to be added in the compounding process.

Gaskets for oil bath, transformers, fuel hoses, oil sealing rings, gaskets for hydrocarbon ducts, flat gaskets for carburettors, etc.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Fuel Resistant		
	Hydrocarbon Resistant		
	Oil Resistant		
Uses	Gaskets		
Appearance	Yellow		
Forms	Bale		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	60	MU	ASTM D1646
Acrylonitrile Content	45.0	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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