ARLANXEO
Performance Elastomers

THERBAN® LT 2057

Product Description

A partially hydrogenated butadiene acrylonitrile ter-polymer for applications requiring good flexibility at low temperature featuring particularly low mould fouling properties. Designed primarily for dynamic applications requiring excellent resistance to heat, ozone and good resistance to non polar hydrocarbon fluids. Sulfur curing systems are used for improved dynamic properties and adhesion to steel and textile reinforcing materials. However, peroxide/coagent systems can be used for improved resistance to heat and compression set.

Supply Form

Bales

Raw Material Properties

Property	Nominal Value	Unit	Test Method
Mooney Viscosity ML (1+4) 100°C	67 ± 10	MU	ISO 289/ASTM D 1646
Acrylonitrile content	21 ± 1.5	wt %	ISO 24698-1
Residual double bonds	5.5 ± 1.0	%	IR Spectroscopy
Volatile matter	≤ 0.5	wt %	ISO 248ASTM D 5668

Other Product Features

Property	Typical Value		
Specific gravity	0.96		
Total Ash	≤ 0.5	wt %	ISO 247/ASTM D 5667
Stabilizer	Non-staining		
Solubility	Soluble in MEK, acetone		
Color	Light brown		

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Packaging	25 kg bales wrapped in blue PE film, strippable / dispersible (melting point of film = 85 - 110°C, Vicat softening point = 71°C, 0.08 mm thick); pallets of 20 bales (500 kg)
Shelf life	36 months from date of production at temperatures not exceeding 35°C in dry conditions; exposure to light has to be avoided
Product Safety	Relevant safety data and references as well as the possibly necessary warning labels are to be found in the safety data sheet.

These raw material properties are typical and, unless specifically indicated otherwise, are not to be considered as delivery specification.

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