

THERBAN[®] AT 4364 VP (Trial Product)

Product Description

A low viscosity, partially hydrogenated butadiene acrylonitrile copolymer designed primarily for dynamic applications requiring excellent resistance to heat, ozone and 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. Low viscosity AT - technology provides a broad processing window, low mould fouling and the potential for higher filler loads compared to standard viscosity HNBR types.

Supply Form

Bales

Raw Material Properties

Property	Nominal Value	Unit	Test Method
Mooney Viscosity UML 1+4 (100°C)	39 ± 5	MU	ISO 289/ASTM D 1646
Acrylonitrile content	43 ± 1.5	wt %	ISO24698-1
Residual double bonds	5.5 ± 1.0	%	IR Spectroscopy
Volatile matter	≤ 0.7	wt %	ASTM D 5668

Other Product Features

Property	Typical Value		
Specific gravity	0.98		
Total Ash	≤ 0.49	wt %	ISO 247/ASTM D 5667
Stabilizer	Non-staining		
Solubility	Soluble in MEK		
Color	Light brown		

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Packaging	25 kg bales wrapped in blue PE film, dispersible (melting point of film = 85 - 110°C, Vicat softening point = 71°C, 0.05 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

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Developmental/Trial Product:

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