

THERBAN[®] 3629

Product Description

A partially hydrogenated butadiene acrylonitrile copolymer designed primarily for applications requiring excellent resistance to heat, ozone and non polar hydrocarbon fluids. Special low RDB - type to increase crosslink density for high module and low compression set applications. While sulfur curing systems can be used for improved dynamic properties and adhesion to steel and textile reinforcing materials, peroxide/coagent systems are recommended. High molecular weight provides for capacity of high plasticizer and filler loads.

Supply Form

Bales

Raw Material Properties

Property	Nominal Value	Unit	Test Method
Mooney Viscosity UML (1+4) 100°C	87 ± 7	MU	ISO 289/ASTM D 1646
Acrylonitrile content	36 ± 1.5	wt %	ISO24698-1
Residual double bonds	2.0 ± 0.5	%	IR Spectroscopy
Volatile matter	≤ 0.49	wt %	ISO 248/ASTM D 5668

Other Product Features

Property	Typical Value		
Specific gravity	0.96		
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 strippable / dispersible (melting point of film = 85 - 110°C, Vicat softening point = 71°C, 0.05 mm thick) pallets of 20 bales (500kg)
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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