

THERBAN[®] 3446

Product Description

A 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.

Supply Form

Bales

Raw Material Properties

Property	Nominal Value	Unit	Test Method
Mooney Viscosity UML (1+4) 100°C	61 ± 7	MU	ISO 289/ASTM D 1646
Acrylonitrile content	34 ± 1.0	wt %	ISO24698-1
Residual double bonds	3.95 ± 1.05	%	IR Spectroscopy
Volatile matter	≤ 0.49	wt %	ISO 248/ASTM D 5668

Other Product Features

Property	Typical Value		
Specific gravity	0.95		
Total Ash	≤ 0.49	wt %	ISO 247/ASTM D 5667

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Stabilizer	Non-staining
Solubility	Soluble in MEK
Color	Light brown
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 (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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