

THERBAN[®] 3907

Product Description

A fully hydrogenated butadiene acrylonitrile copolymer (less than 1% residual doublebonds), which provides vulcanizates with superior resistance to heat, ozone and excellent resistance to non - polar hydrocarbon fluids including those containing aggressive additives. With this level of unsaturation, Therban 3907-based compounds can only be vulcanized with peroxides or high-energy radiation. The incorporation of a crosslinking co-agent is recommended for optimized physical properties of both unaged and aged vulcanizates.

Supply Form

Bales

Raw Material Properties

Property	Nominal Value	Unit	Test Method
Mooney Viscosity UML (1+4) 100°C	70 ± 7	MU	ISO 289/ASTM D 1646
Acrylonitrile content	39 ± 1.5	wt %	ISO24698-1
Residual double bonds	≤ 0.9	%	I.R.Spectroscopy
Volatile matter	≤ 0.49	wt %	ISO 248/ASTM D 5668

Other Product Features

Property	Typical Value	Unit	Test Method
Specific gravity	0.96		
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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Note: The information contained in this publication is current as of January 01, 2010. Please contact LANXESS Corporation to determine if this publication has been revised.

Issue number: LXS 06 / Date of issue: January 01, 2010 / Previous issue from July 01, 2009 / Information current as of date of issue. Please contact your LANXESS representative to determine if this publication has been revised.