

THERBAN[®] 4307

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 4307-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	63 ± 7	MU	ISO 289/ASTM D 1646
Acrylonitrile content	42.5 ± 1.5	wt %	ISO24698-1
Residual double bonds	≤ 0.9	%	IR Spectroscopy
Volatile matter	≤ 0.49	wt %	ISO 248/ASTM D 5668

Other Product Features

Property	Typical Value	Unit	Test Method
Specific gravity	0.98		
Total Ash	≤ 0.49	wt %	ISO 247/ASTM D 5667

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Stabilizer	Non-staining
Solubility	Soluble in MEK
Colour	Light brown
Packaging	25 kg bales wrapped in blue PE film, strippable / dispersible (melting point = 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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