

## THERBAN<sup>®</sup> 4309

### 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 4309-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. 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	100 ± 7	MU	ISO 289/ASTM D 1646
Acrylonitrile content	43 ± 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		
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, strippable / disersible (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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### LANXESS Corporation

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