

## THERBAN<sup>®</sup> AT 3404

### Product Description

A low viscosity, 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 AT 3404-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. Low viscosity AT - technology provides a broad processing window, low mould fouling and the potential for higher filler loads compared to standard viscosity HNBR types.

### Supply Form

Bales

### Raw Material Properties

Property	Nominal Value	Unit	Test Method
Mooney Viscosity UML 1+4 (100°C)	39 ± 5	MU	ISO 289/ASTM D 1646
Acrylonitrile content	34 ± 1.0	wt %	ISO24698-1
Residual double bonds	< 0.9	%	IR Spectroscopy
Volatile matter	≤ 0.7	wt %	ISO 248/ASTM D 5668

### Other Product Features

Property	Typical Value		
Specific gravity	0.95		
Total Ash	≤ 0.5	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, 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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### LANXESS Corporation

111 RIDC Park West Drive · Pittsburgh, PA 15275 · Phone: 1-800-LANXESS · [www.US.LANXESS.com](http://www.US.LANXESS.com)

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