

THERBAN[®] 3406

Grade Name Product Description

THERBAN[®] 3406

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 3406-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

Specifications¹

Characteristics	Limits	Unit	Testing Method
Mooney Viscosity ML (1+4) 100°C	63 ± 7	MU	ISO 289/ASTM D 1646
Acrylonitrile content	34 ± 1.0	wt %	ISO 24698-1
Residual double bonds	≤ 0.9	%	IR Spectroscopy
Volatile matter	≤ 0.49	wt %	ISO 248/ASTM D 5668

¹For each delivery a Certificate of Analysis (CoA) will be sent, which contains the actual measured values of the specified properties for each batch.

Specific gravity	0.95
Stabilizer	Non-staining
Solubility	Soluble in MEK
Color	Light brown

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Packaging	25 kg bales wrapped in blue PE film 0.08 mm thick strippable / dispersible (melting point of film = 85 - 110°C, Vicat softening point = 71°C), 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
Product Safety	Relevant safety data and references as well as the possibly necessary warning labels are to be found in the safety data sheet.

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