

PRODUCT DATA SHEET

Accinox 445 :Heat resistant (slightly staining) antioxidant

Composition : 4,4'-Bis(α,α -dimethylbenzyl) diphenylamine

Physical Properties

Appearance : White powder
Sp Gr at 25°C : 1.14 (Typical)

Typical Analysis

Parameter		Limits		Test method
Melting Point, Initial	(°C)	98	min	ASTM D 1519
Melting Point, Final	(°C)	102	max	D 1519
Loss on drying ,1 hr/ 70°C	%	0.3	max	D 4571
Ash Content	%	0.1	max	D 4574

Solubility

Insoluble in water. Soluble in acetone/toluene

Notes on Uses

Accinox 445, a slightly staining & discoloring antioxidant being stable at high temperature, is used for protection against heat and oxidative degradations in NR and synthetic rubbers including BR, SBR, NBR, CR and EPDM covering uses in beltings, hoses, seals, gaskets and other automotive/industrial rubber products. In combination with synergistic antioxidants it provides an extremely effective antioxidant system for EPDM and NBR compounds for high temperature applications. Often used as aqueous dispersions in latex compounds (SBR, Carboxylated SBR and NR) for improving resistance to heat and embrittlement during aging with as little 0.5 phr in the compound. Typical dosages in rubber vary from 1 to 3 phr depending on the application envisaged.

Storage and Handling

Store in a cool, dry & well-ventilated place, local exhaust recommended. Keep container closed when not in use.

No special handling precautions are necessary. Normal precautions to avoid contact with skin and eyes should be followed. For eyes, flush with plenty of water and seek medical advice.

Packaging

25 Kg. in HDPE lined paper bags.

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