

ALNOVOL[®] PN 760/PAST

CHARACTERISTICS

Non self-crosslinking modified phenol novolac

FORM SUPPLIED

Pellets

USES

Cord adhesion promoter for rubber

PRODUCT DATA

Determined per batch:

Softening Point DIN EN ISO 4625-1 softening point Ring&Ball (5 °C/min)	[°C]	95 - 115
Dynamic Viscosity (Ubbelohde) DIN 53177 dynamic viscosity (1 : 1 in methoxy propanol) (23 °C)	[mPa.s]	800 - 1800
HPLC content (phenol)	[%]	<= 0,5

Not continually determined:

Melting Interval DIN 53181 melting range Capillary method approx.	[°C]	80
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PROPERTIES AND USES

Alnovol PN 760 is a non self-crosslinking modified phenol novolac. The resin is used in rubber compounds as adhesion promoter for steel and textile cord.

Alnovol PN 760 is incorporated into the mix in the first stage of compounding. Due to the low content of free phenol processing does not generate any vapours and it is not accompanied by odorous annoyance.

Alnovol PN 760 is free of resorcinol.

SOLUBILITY

Alnovol PN 760 is readily soluble in commonly used alcohols, ketones and ethers. It is insoluble in aliphatic and aromatic hydrocarbons.

DOSAGE

Alnovol PN 760 should be added depending on the application field and the used reinforcing material on a level of 2 to 10 phr.

For curing highly etherified melamine resins (HMMM) such as Cyrez CRA-200 are recommended. They are added in the second mixing stage together with sulphur and accelerators. For curing a resin to hardener ratio of approx. 1 : 1 is recommended.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

Storage under high humid conditions should be avoided.

REMARK:

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.

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• Worldwide Contact Info: www.allnex.com •

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