

HiRENOL[®] KA-18

General Discription

HiRENOL[®] KA-18 is a resorcinol-formaldehyde resin supplied in a pastille form. It is deficient in formaldehyde. It can react with methylene donors such as formaldehyde, paraformaldehyde, hexamethylene tetramine and hexamethoxy methyl melamine to form hard, insoluble thermoset products. KA-18 is recommended as an additive to natural and synthetic rubbers to improve adhesion of synthetic fabrics and brass coated steel tire cords. The resin mixes easily with rubber stock in conventional internal rubber mixers and does not volatilize at normal rubber processing temperatures.

* Rate of Use : Generally 2 ~ 4 parts per 100 parts of rubber.

Properties

Property	Specification	Remark
Appearance	Dark Reddish Pastille	
Softening Point	100 ~ 114°C	Ball & Ring Method(5°C/min)
Specific Gravity	1.35 ~ 1.39	25°C
Heat Loss	1.0% max.	60°C×1hr
pH	4.1 ~ 5.1	25°C, 50% solution

Guide Formulation

	Part(by weight)
SMRL	100
N-326	55
ZnO	8
Stearic Acid	1.2
PPD	2
TMQ Polymer	1
CTP	0.3
KA-18	3.5
Co-Naphth.	0.1
Insoluble Sulfur	4.7
MBS	0.7
HMMM	2.5

Storage

Keep in cool, dry, well ventilate condition and in closed containers.

Keep away from sources and direct sunlight. Recommended safe handling procedures are discussed in the information on the MSDS should reviewed and understood before working

Packaging

The standard package for KA-18 is a multi-wall paper bag containing 25Kg net of resin. A package can be changed with special order.

KOLON INDUSTRIES

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IMPORTANT :

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