



ACCEL - EM 33

Blend of thiums, dithiocarbamates and etc.

Accelerator

ACCEL®

NON BLOOMING ONE PACK BLENDED ACCELERATOR FOR EPDM

Uniform dispersion due to dust suppressing oil Coated for Optimum Cure

Appearance : Yellowish Brown Powder

Melting point : 65°C min.

Characteristics :

ACCEL-EM33 is a accelerator for use in EPDM. No effect on scorch and also provides high speed of cure and gives excellent vulcanizate properties. EM33 also inhibits blooming and staining. Generally 2-3 accelerators are used for EPDM curing, while ACCEL-EM 33 alone is enough to produce good results of vulcanization, without complexity and errors which may occurred during handling many accelerators. ACCEL EM33 is easy to handle as readily disperses in rubber compounds.

Dosage : 2-5 Phr

Application : Every type of EPDM products including Industrial Goods.

Packing : 20 kgs. net in paper bags

SUSTAINING ORIGINAL SHADE (COLOR) OF YOUR PRODUCT HIGH CURE RATE SIMPLE DESIGN CURE SYSTEM

ANTAGE 3C

Antioxidant
ANTAGE®

N-Isopropyl-N'-phenyl-p-phenylenediamine [IPPD]

Appearance: Purplish brown to dark purplish brown flakes or granules.

Melting Point: 72°C min.

Characteristics: Antage 3C (4010) exhibits resistance against heat, oxidation and ozone. Specifically fitting for NR & also SBR, BR, NBR etc... 3C is an excellent Antioxidant providing resistance against Ozone, Heat, Flex-cracking & weathering. It is equally effective in resisting ageing due to the fouling effects of copper etc.. Recommended dosage of 3C is 0.5 phr or more produces a good effect, its joint use with other Anti

Oxidant and Anti-Ozonant wax leads to superior results.

Dosage (phr): 0.5 to 3 for general use

Application: Tires, Belting, Cable, Industrial use, Black Mackintoshes, Footwear, etc.

Packaging: 20 kgs. net in paper bag.

Equivalent: • Vulkanox 4010NA(L)
• Santoflex IIPD(F)

ANTAGE AW / AW-P

Antioxidant
ANTAGE®

6-Ethoxy-2,2,4-trimethyl-1,2-dihydroquinoline [ETMDQ]

Appearance: Dark brown viscous liquid and powder

Characteristics: Antage AW-P provides strong resistance against ozone, flex cracking & heat deterioration. AW-P is exceptionally effective in preventing the birth & growth of ozone cracking. Even better effects can be obtained when used in combination with ANTAGE 3C and Anti-Oxidant wax. AW-P shows No blooming & no adverse effects on vulcanization, however AW-P is staining. AW-P readily disperses into compound.

Dosage (phr):

	ANTAGE	OZOGUARD G	
NR,IR,BR	0.5-1-2	1-2	0.5-1-2
SBR,NBR	1-2-3	2-4	2-3

Application: Tires, Belting, Hoses, Wire and Cable covering and other Industrial goods.

Packaging: 200 kgs. net in drums for liquid
12 kgs. net in tin cans for powder

Equivalent: • Vulkanox EC (L)
• Santoflex AW (F)

ANTAGE OD / OD-P

Antioxidant
ANTAGE®

Diphenylamine derivative

Appearance: Dark brown viscous liquid or powder

Characteristics: Antage ODP gives resistance to heat, oxygen aging & flex cracking. Recommended for use in NR, CR, SBR & NBR etc... with minimum staining & discoloration. It readily disperses and show no tendency to bloom in addition to heat & oxygen aging. It also serves as a copper & manganese inhibitor. In addition, it acts as a very efficient antioxidant for CR, providing outstanding protection against Heat, Weather & Ozone.

Dosage (phr): 0.3 to 3.5 for general use

Application: Footwear, Rubber-coated Fabrics, Tires, Tubes, Latex products, Adhesives, etc.

Packaging: 200 kgs. net in drums for liquid
20 kgs. net in paper bags for powder

Equivalent: • Antage ODP
• Qurenti OCD

