

S MASTERBATCH

Sulfur vulcanising agent

ACTIVE MATERIAL

Molecular formula:
S(n)

Chemical Name:
SULFUR

M.W.: 32

CAS: 7704-34-9

EINECS: 231-722-6

PROPERTIES:

Mixland+[®] S masterbatch is a vulcanising agent for unsaturated elastomers (especially NR, SBR and NBR).

Due to its limited solubility in elastomers, Mixland+[®] S masterbatch can migrate on the surface and cause blooming and thus decrease surface tack.

Some sulphur, generally 1 part or less, is used in styrene-butadiene heat resisting compounds along with the sulphur bearing ultras.

Mixland+[®] S masterbatch is also used in some neoprene compounds as cure activator, and to improve storage stability.

In vulcanisation, Mixland+[®] S masterbatch has poor thermal stability and poor stability with basic accelerators.

APPLICATIONS:

Tyres, plied-up rubber goods, transparent and coloured goods, conveyor belts, shoe soles, hoses, etc.

TYPICAL VALUES:

Melting point: 119°C

REMARKS:

Non-blooming

MASTERBATCH

PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (microns)	Binder	Mooney ML (1+4) 50° Typical value	Density Typical Value	Shore Hardness
S 80 GA F500 ①	80	Yellow to Yellowish (N)	500	E/AA	30	1.60	37
S 80 BA F500 ②	80					1.61	35
S M300 80 GA F140 ①	80		140		35	1.64	25
S M300 75 BA F140 ②	75					1.55	33

GA: Pellets on ethylene-alkyl-acrylate binder

BA: Slabs on ethylene-alkyl-acrylate binder

SAFETY & TOXICITY:

For detailed information, please refer to our Material Safety Data Sheet.

PACKAGING & STORAGE:

- ① PE bags weight : 20 kg net-CP3 pallet : 640 kg net.
- ② Cardboard box weight : 25 kg net.-CP3 pallet : 600 kg net.

Do not pile more than 2 pallets height

Shelf-life : 2 years in its original packaging

Store in a dry and cool place and away from direct sources of heat or sunlight

Compared to a traditional EVA/EP(D)M binder, MIXLAND+[®] masterbatch allows:

- ✓ Dust free products with a high level of filtration up to 100 µ.
- ✓ Tack free products at room temperature.
- ✓ Lower Mooney viscosity, improving quality of dispersion.
- ✓ Scrap rate reduction thanks to filtration.
- ✓ Wider compatibility with other elastomers.

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