

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 Ⓢ	80	Yellow to Yellowish (N)	500	E/AA	30	1.60	37
S 80 BA F500 Ⓢ	80					1.61	35
S M300 80 GA F140 Ⓢ	80		140		35	1.64	25
S M300 75 BA F140 Ⓢ	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.

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from the literature but shall in no event be held to constitute or imply any warranty or undertaking. No liability whatsoever can be accepted with regard to the handling, processing or use of the products concerned, which must in all cases be employed with regard to all relevant regulations and/or legislation in the country or countries concerned.