

S masterbatch (Sulfur vulcanizing agent)

- SULFUR
 - Molecular Weight : 32
 - CAS : 7704-34-9
 - EINECS : 231-722-6
- S(n)

PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (µm)	Mooney ML (1+4) 80°C Typical value	Density Typical value
S 80 GA F500 ①	80	Yellow to yellowish* (N)	500	20	1.6
S 80 BA F500 ②					
S M300 80 GA F140 ①	75		140		1.5
S M300 75 BA F140 ②					

GA: Granules co-polymer of acetate/acrylate & polyethylene
BA: Slabs on co-polymer of acetate/acrylate & polyethylene

* Depending on natural variation of S

ACTIVE MATERIAL TYPICAL VALUES

- Melting point : 119 °C

REMARKS

Non-blooming

PROPERTIES

Mixland+® S masterbatch is commonly used as a vulcanizing agent for all unsaturated elastomers (especially NR, SBR and NBR). Thanks to the binder, different Mixland+® grades of sulfur have better solubility in rubber than sulfur powder form, hence that decreases blooming issue and improve dispersion time, especially in NBR compound. It is also used in some neoprene compounds as cure activator, and to improve storage stability. In vulcanization, Mixland+® S masterbatch has poor thermal stability and poor stability with basic accelerators to improve reversion and heat resistance, mixture with sulfur donor is recommended. For ebonite formation, use 20 to 40% of sulfur give hard product with good vulcanizing properties.

APPLICATIONS

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

PACKAGING & STORAGE

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

SAFETY & TOXICITY

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

NITROSAMINE FREE

MIXLAND+® MASTERBATCH ALLOWS:

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

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TECHNICAL DATA SHEET

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