

SULPHUR

Description/Applications

Sulfur is supplied in two ways:

Liquid: limpid and yellow-brown aspect.

Solid: solids of irregular size, of intense yellow coloration.

It is used in the production of sulfuric acid and carbon di-sulfide. It has applications in rubber vulcanization, industries of insecticides, industries of fungicides, plastics and inks.

Specifications	Unit	Solid	Molten
		Values	Value
S Content	% weight	99.5 min.	99.5 min.
Carbon content	ppm	1,200 max	1,000 max
Free acidity as H ₂ SO ₄	% weight	-	0.02 max
Humidity	% weight	3.0 max	0.03 max
Ashes	ppm	1,500 max	100 max

- This product is guaranteed since it is stored and packaged as described below.

Physical Properties	Unit	Values
Chemical formula		S
Molecular weight		32
Boiling point	°C	112
Density 125 °C		1.7988
Flash point	°C	207
Ignition point:	°C	232

- The properties' values above are just for reference, and not to be considered as guaranteed parameters.

PACKAGING:

Bulk : in carbon steel tank cars able to be heated.

STORAGE :

Solid sulfur: it can be stored in the opened sky. when in closed compartment, it is necessary to prevent the accumulate of dust and formation of suspended dusts, because it can become in an explosive mixture with the air. Any source of ignition must be moved away from the place.

Molten sulfur: In carbon steel tanks. Temperature must be kept between 120 °C and 140°C. The respires of the tanks must periodically be revised to prevent that they are obstructed.