

Technical Data Sheet

BSIL 1130

Bio Precipitated Silica

Product Description:

Precipitated silica for use as a white reinforcing filler in the rubber industry.

Composition:	Precipitated silica
Appearance:	White amorphous powder
Density (at 20 °C):	Approximately 3.0 g/cm ³
Ignition loss:	Approximately 5.0 % (referred to dry substance)

Property	Nominal Value	Unit Test method
Volatile matter (2 h at 105 °C)	7 % Maximum	DIN ISO 787/2
pH value (5 % in water)	6.5 ± 0.5	DIN ISO 787/9
Specific surface area (BET)	120 - 140 m ² /g	ISO 9277
Electrical conductivity (4 % in water)	≤ 1300 μS/cm	DIN ISO 787/14

Application

BSIL 1130 possess little lesser reinforcing potential compared to BSIL 1160/BSIL 1180. The product improves tensile strength, tear resistance, high Shore hardness, and abrasion resistance of the rubber compound. Activators such as glycols, amines or other accelerators can be added to improve & optimize the performance.

Application fields:

Tires, mechanical rubber goods, and shoe soles of all kinds.

Storage Stability

To ensure that product properties and application behaviour remain unchanged, our precipitated silica ought to be stored in closed and dry premises protected against exposure to volatile substances. Strict observance of optimum storage conditions ensures prolonged usability; nevertheless we recommend not exceeding a storage period of approximately two years.

Packaging

20/25 Kg HDPE Bags with LDPE Liner Or Paper Bags, 400 Kg/600 Kg Jumbo bags

Disclaimer : Our Technical Support Department takes all the necessary measures to guarantee that the product conforms to the specifications indicated in this document. The user is nevertheless advised to carry out the preliminary tests to ensure the suitability & performance of the product. Our Technical Support Department remains available to provide any further information that you may require.