

WOSIL™ 120 GR

WOSIL ® 120 GR as a precipitated silica is used as a reinforcing filler in all kind of rubber applications.

CAS-No. 112926-00-8 / 7631-86-9

Typical Properties

Properties	Unit	Values
Specific surface area (N2) Multipoint following ISO 9277	m ² /g	180
Specific surface area (CTAB) following ISO 5794-1G	m ² /g	167
Loss on drying 2 h at 105°C following ISO 787-2	%	5.5
pH value 5 % in water following ISO 787-9	-	6.2
SA Ro-Tap (> 300 µm) following ISO 5794-1F	%	≥ 80
SA Ro-Tap (< 75 µm) following ISO 5794-1F	%	≤ 10
Electrical conductivity 4% in water following ISO 787-14	µS/cm	≤ 1300
SiO ₂ content ¹⁾ following ISO 3262-19	%	≥ 97
Fe content ^{1) 2)}	ppm	≤ 400
Cu content ^{1) 2)}	ppm	≤ 6
Mn content ^{1) 2)}	ppm	≤ 6
Package size paper bag (net)	Kg	25
Package size FIBC (net)	Kg	480 & 625

1) Based on ignited substance (2 h/1000°C)

2) Internal method

*) The given data are typical values. Specifications on request.

Applications

WOSIL ® 120 GR is a mechanically compacted granulate. On account of the granulation process it leads to less dust development during mixing. **WOSIL ® 120 GR** has a high reinforcing potential and imparts to rubber compounds high Shore hardness, tensile strength, tear resistance and abrasion resistance. In order to achieve optimum rubber-technical data the addition of activators like glycols, amines or other alkaline accelerators is necessary. On account of the higher surface area **WOSIL ® 120 GR** can provide vulcanizates of excellent transparency.

Application fields are: Tires, mechanical rubber goods, cables and shoe soles of all kinds.

Packaging, Storage & Handling

Our silica products are inert and extremely stable chemically. We recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Recommended use-by date is 24 months after date of manufacture. Product more than 24 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

Application and Dosage

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating.