

WOSIL™ 110 GR

WOSIL® 110 GR as a precipitated silica is used as a reinforcing filler in all kind of rubber applications.

CAS-No.: 112926-00-8

Typical Properties

Properties	Unit	Values
Specific surface area (N2) Multipoint following ISO 9277	m ² /g	130
Loss on drying 2 h at 105°C following ISO 787-2	%	5.5
pH value 5 % in water following ISO 787-9	-	6.9
Pour density following ASTM D1513	g/l	270
Electrical conductivity 4% in water following ISO 787-14	μS/cm	≤ 1000
SA Ro-Tap (> 300 μm) following ISO 5794-1F	%	≥ 80
SA Ro-Tap (< 75 μm) following ISO 5794-1F	%	≤ 10
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	730

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

2) internal method

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

Applications

WOSIL® 110 GR is a mechanically compacted granulate. On account of the granulation process it leads to less dust development during mixing. Due to its lower specific surface area, WOSIL® 110 GR has a slightly lower reinforcing potential compared to WOSIL® 120. It imparts to rubber compounds high Shore hardness, tensile strength, tear resistance and abrasion resistance and offers advantages concerning compound viscosity and processing. In order to achieve optimum rubber-technical data the addition of activators like glycols, amines or other alkaline accelerators is necessary.

Application fields are: Tires, mechanical rubber goods.

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.