



WHITE CARBON BS-50, BS-100-thick
calcium chloride, BS-120-thick

CAS №7631-86-9, 112945-52-5

GOST 18307-78
revision 1-5



Technical properties:

Indicator description	White carbon Grade BS-50	White carbon Grade BS 100-thick, calcium chloride	White carbon Grade BS-120- thick
Appearance	Powder and fragile white lumps	Powder and fragile white lumps	Powder and fragile white lumps or white granules
Mass fraction of silicon dioxide, %, min	76	86	86
Mass fraction of moisture, %, max	6.0	6.5	6.5
Weight loss on ignition, %	7.0 – 10.0	5.0-7.0	3.5 – 7.0
Mass fraction of iron calculated as iron oxide, %, max	0.03	0.15	0.17
Mass fraction of aluminium calculated as aluminium oxide, %, max.	0.10	0.15	0.10
Mass fraction of chlorides (Cl ⁻), % max	0.6	1.0	1.0
Mass fraction of sulphate (SO ₄ ²⁻), %, max	Not rated	Not rated	0.2
Mass fraction of calcium and magnesium calculated as calcium oxide, %, max	7.0	0.8	0.8
Mass fraction of alkalinity calculated as sodium oxide, %, max	1.8	Not rated	1.1
pH of water extraction for powdery	9.0 – 10.5	7.0 – 8.5	8.0 – 9.5
Bulk density, g/dm ³ for uncondensed	150 – 200	–	120 – 170
for condensed	200 – 230	150 – 220	171 – 230
Specific surface area by adsorption of phenol, m ² /g	45 ± 10	80±120	120 ± 20
Mass fraction of residue on mesh sieve 014A according to GOST 6613, %, max	0.15	0.10	0.02

DESCRIPTION. White carbon is a fine precipitated silicon dioxide.

APPLICATION. White carbon is used as a reinforcing filler material for synthetic and polymer materials in tire, chemical, light industries, in industrial rubber goods and in other industries.

CERTIFICATION. Product Safety is confirmed by passport Material Safety Data Sheet. The product is not subject to mandatory confirmation of conformity by certification or declaration.

TRANSPORTATION. The product is transported by any type of transport in accordance with the Regulations on cargo transportation that are valid for certain type of transport.

PACKING. White carbon is packed in four-layer laminated bags. One layer is made of paper laminated with polyethylene (weight of bag is 20 kg max). Or white carbon can be packed in disposable soft containers up to 1000 kg.

GUARANTEED SHELF LIFE. Guaranteed shelf life for white carbon is 6 months from the date of manufacture.

1st Golutvinsky lane 6, Moscow, 119180, Russia
Tel.: +7 (495) 532-04-40 | +7 (495) 970-00-09
E-mail: info@td-bkh.ru | www.td-bkh.ru