

Standards: HG/T3061-2020

Product Name	SD-180P	SD-9180P	SD-9120P	SD-180MP	SD-9180MP	SD-9120MP	SD-180GR	SD-9180GR	SD-9120GR
Appearance	White powder	White powder	White powder	White Particle	White Particle	white particles	white strip particles	white strip particles	white strip particles
BETm/g	180 ± 15	160 ± 15	120 ± 15	180 ±15	160 ±15	120 ±15	180 ±15	160 ±15	120 ±15
DBP 10-m/kg	200-255	200-255	200-255	200-255	200-255	200-255	200-255	200-255	200-255
SiO ₂ Content%	≥95	≥95	≥95	≥95	≥95	≥95	≥95	≥95	≥95
Bulk Density g/L	200-260	200-260	220-260	220-260	220-260	220-260	200-260	200-260	200-260
PH	6.0-7.5	6.0-7.5	6.0-7.5	6.0-7.5	6.0-7.5	6.0-7.5	6.0-7.5	6.0-7.5	6.0-7.5
Soluble Salt%	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5
Reduction on Heating%	4.0-7.0	4.0-7.0	4.0-7.0	4.0-7.0	4.0-7.0	4.0-7.0	4.0-7.0	4.0-7.0	4.0-7.0
Reduction on Ignition%	≤7	≤7	≤7	≤7	≤7	≤7	≤7	≤7	≤7
45um Sieve Residues %	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
cu mg/kg	≤30	≤30	≤30	≤30	≤30	≤30	≤30	≤30	≤30
Mn mg/kg	≤50	≤50	≤50	≤50	≤50	≤50	≤50	≤50	≤50
Fe mg/kg	≤500	≤500	≤500	≤500	≤500	≤500	≤500	≤500	≤500
Residues on 100 Mesh Sieve %	—	—	—	≥85	≥85	≥85	—	—	—

Product Description:

It is a very strong rubber reinforcing agent that has significant advantages in terms of improving tire tear strength, enhancing flexion fatigue resistance of the tire wall, improving the stiffness of unvulcanized rubber, improving the adhesion of rubber to steel wire or cord fabric, reducing the heat of tread rubber and improving braking system etc. Among them, ordinary white carbon black (SD-180) is mainly used in the crown formula of all-steel truck tires, OTR tires and bias tires and the quantity to be used is 10-25phr. Its main function is to resist tearing, cutting and chipping. It can also be applied to belt layer meta-methyl-white bonding systems and the quantity to be used is 10-15phr. Highly dispersed silica (such as: SD-9180, SD-9120) is mainly used in the crown formula of green semi-steel radial tires and the quantity to be used is 30- 80phr, mainly reduces tire rolling resistance and improves wet skid resistance.

