

Standards for Rubber Products: HG/T3061-2020

Product Name	SD-180P	SD-160P	SD-180MP	SD-160MP	SD-180GR	SD-160GR
Appearance	White powder	White powder	White Particle	White Particle	White Particle	white striped granules
BETm/g	180 ± 20	150 ± 20	180 ± 20	150 ± 20	180 ± 20	150 ± 20
DBP 10-m/kg	200-255	200-255	200-255	200-255	200-255	200-255
SiO ₂ Content%	≥95	≥95	≥95	≥95	≥95	≥95
Bulk Density g/L	200-260	200-260	220-260	220-260	220-260	220-260
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
Soluble Salt%	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5
Reduction on Heating%	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
Reduction on Ignition%	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
45um Sieve Residues %	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Cu mg/kg	≤30	≤30	≤30	≤30	≤30	≤30
Mn mg/kg	≤50	≤50	≤50	≤50	≤50	≤50
Fe mg/kg	≤500	≤500	≤500	≤500	≤500	≤500
Residues on 100 Mesh Sieve %	—	—	≥85	≥85	—	—
Hardness	—	—	—	—	4-8	4-8

Product Description:

This product is a kind of special material and chemical properties that make it excellent in compatibility with rubber and various additives. It becomes the best reinforcing additive in the rubber-based blend formula, which can greatly improve the performance of vulcanized rubber. It has excellent tensile and wear resistance, reduces the amount of rubber and reduces costs: it has strong affinity, giving it greater dispersion ability in raw rubber. The physical properties of silica particles are superior to carbon black in terms of reinforcing the elasticity and tear resistance of vulcanized rubber. It is a highly reinforcing filler for rubber. It is suitable as filler and reinforcing agent for various rubber products such as shoe soles, hoses, rubber rollers, conveyor belts, and silicone rubber.

