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Specification of Carbon Black

Appearance: black powder

CAS NO.:1333-86-4

Specification

Item	N220	N330	N550
Icdine Absorption Value,g/kg	121±7	82±7	43±6
DBP Absorption Value,10-5m3/kg	114±7	102±7	121±7
DBP Absorption of Compressed Sample 10-5m3/kg	90-106	80-96	77-93
CTAB Absorption Area,103m2/kg	102-120	73-91	35-49
Adsorptive Specific Surface Area of Nitrogen,103m2/kg	106±9	75±9	39±9
Nitrogen Absorption Surface Area,103m2/kg	112-126	71-85	34-46
Tint Intensity,%	108-124	96-112	--
Decrement After Heating,%≤	2.5	2.5	1.5
Ash	0.7	0.7	0.7
45µm Sieve Residue,%≤	0.1	0.1	0.1
150µm Sieve Residue,% ≤	0.001	0.001	0.001
Impurities	--	--	--
300% Stretching Stress, Mpa≤	-2.3±1.6	-0.9±1.6	-0.9±1.6

Application

Carbon black N220 is suitable for each kind of rubber, the resistance to wear is higher than N330 10%-20%, it makes colloidal particle rubber high longitudinal strength and the anti- peel strength, and has the certain electrical conductivity. It has mainly been used in the carrying tyre, tread rubber, and rubber product with high strength needed, radial tire,bias tire and high wear-resisting.

Carbon black N330 can reinforce the strong performance and endow with colloidal particle better strongly extending performance, anti- rends performance, higher resistance to wear and elasticity. It is mainly used in the tread rubber, the curtain cloth rubber, radial tire,bias tire,sidewall rubber and other high quality rubber products.

Carbon black N550 is suitable for the natural rubber and each kind of synthetic rubber. It is easy to disperse and can endow with high endurance capacity, pressing out with high speed, the shape of meatus inflates slightly, pressing out smooth surface. has high temperature performance and heat conduction performance reinforce strong performance, elasticity and and easy to be recovered. It is mainly used in the tire cord rubber, sidewall tyre, radial tire,bias tire,the tire tube and rolling product.