CARBON BLACKS TECHNICAL SPECIFICATION

Brief description: Carbon blacks under the current specification are produced from a coal tar feedstocks under the wet granulation process, using the American Continental Carbon and Degussa Carbon technology.

List of REACH (Late) Pre-registration :

Name	CAS-No (Late)	Pre-Registration No.
Carbon black	1333-86-4	17-2119866429-23-0000

Indicator / Variety / Item	N115	N121	N220	N234	N326	N330	N339	N351	N375	N550	N660	N774
Iodine Adsorption(g/kg)	160±8	121±7	121±7	120±7	82±7	82±7	90±7	68±7	90±7	43±6	36±6	29±6
DBP absorption（$10^{-5}m^3/kg$）	113±7	132±8	114±7	125±7	72±7	102±7	120±7	120±7	114±7	121±7	90±7	72±7
Compress sample absorption	89~105	103~119	90~106	94~110	62~74	80~96	91~107	87~103	88~104	77~93	66~82	57~69
CTAB surface area($10^3m^2/kg$)	119~137	112~130	102~120	110~128	74~92	73~91	84~102	64~82	87~105	35~49	29~43	23~35
STSA ($10^3m^2/kg$)	124±9	114±9	106±9	112±9	76±9	75±9	88±9	70±9	91±9	39±9	34±9	29±9
N2 surface area（$10^3m^2/kg$）	129~145	115-129	112~126	112~126	71~85	71~85	84~98	64~78	86~100	34~46	29~41	25~35
Tinting strength%	115~131	111~127	108~124	115~131	103~119	96~112	103~119	92~108	106~122			
Heating Loss%≤	3.0		2.5							1.5		
Ash Content%≤	0.7											
45μmSieve Residue%≤	0.100											
500μmSieve Residue%≤	0.0010											
Impurity	None											
Fine Powder Content%≤	Big Bag 7; Paper Bag 10											
Pour density（kg/m^3）	345±40	320±40	355±40	320±40	455±40	380±40	345±40	345±40	345±40	360±40	440±40	490±40
300%Extend stress (Mpa)	-3.4±1.6	-0.4±1.6	-2.3±1.6	-0.4±1.6	-3.9±1.6	-0.9±1.6	0.6±1.6	0.8±1.6	0.1±1.6	-0.9±1.6	-2.6±1.6	-4.1±1.6

Revision date: Nov..29 th, 2011