



SPECIFICATIONS OF GRADES OF CARBON BLACK

Name Target Item	N110	N115	N121	N134	N219	N220	N231	N234	N326	N330	N339	N347	N351	N375	N539	N550	N650	N660	N762	N774
Iodine , g/kg	145 ±5	160 ±5	121 ±5	14 2±5	118 ± 5	121 ±5	121 ±5	120 ±5	82 ±5	82 ±5	90 ±5	90 ±5	68 ±5	90 ±5	43 ±4	43 ±4	36 ±4	36 ±4	27 ±5	29 ±5
DBP Absorption Value 10⁻⁵m³/kg	113 ±7	113 ±7	132 ±7	127 ±7	78 ±7	114±7	92 ±7	125 ±7	72 ±7	102 ±7	120 ±7	124 ±7	120 ±7	114 ±7	111 ±7	121 ±7	122 ±7	90 ±7	65 ±7	72 ±7
CDBP Absorption Value 10⁻⁵m³/ kg	92-102	92-102	105- 115	98- 108	70-80	95-105	83-94	97-107	64-72	83-93	94-104	95-105	90-100	91-101	76-86	80-90	79-89	69-79	55-65	58-68
CTAB 10³m²/ kg	115- 130	122- 137	112- 127	135- 150	98- 113	102- 117	106- 121	110- 125	74- 89	73-88	87-99	82-94	64-79	87-102	34-48	35-49	31-45	29-43	23-38	22-38
STSA 10³m²/ kg	115±9	124±9	134±9	137±9	—	106±9	107±9	112±9	76±9	75±9	88±5	83±9	70±9	91±9	38±9	39±9	35±9	34±9	28±9	29±9
NSA 10³m²/ kg	120- 132	130- 142	115- 127	138- 150	109-- 121	112- -124	105- 117	112— 124	71--83	71--8 5	86--96	78-90	64—78	86--98	33--43	34--44	30--40	29--39	23-35	24-36
Tint intensity, %	115- 127	115- 127	113- 125	125- 137	115- 128	108- 121	114- 226	115- 128	103- 116	96- 109	103- 116	98- 110	92-105	106- 119	—	—	—	—	—	—
Ash, %≤	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45pm Sieve Residue % ≤	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Impurities	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Fines Content,%≤	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Determination of pour density, kg/ m³	345± 40	345± 40	320± 40	320± 40	345 ± 40	355 ± 40	400± 40	320 ± 40	455 ± 40	380 ± 40	345 ± 40	335± 40	345 ± 40	345 ± 40	385 ± 40	360 ± 40	370 ± 40	440 ± 40	515± 40	490± 40
300 % Stretching Strength, Mpa	-3.1± 1.6	-3.0± 1.6	0	-1.4± 1.6	-3.9 ±1.6	-2.3 ± 1.6	-4.5± 1.6	-0.4 ± 1.6	-3.9 ± 1.6	-0.9± 1.6	0.6 ± 1.6	0.6± 1.6	0.8 ± 1.6	0.1 ± 1.6	-1.6 ± 1.6	-0.9 ± 1.6	-1.0 ± 1.6	-2.6 ± 1.6	-4.5± 1.6	-3.6± 1.6

* Less than 0.00025%