Specification – Carbon Black

OCI Company Ltd.

TEST ITEM (Unit)		METHOD	N103	N134	N219	N220	N234	N326	N330	N339	N351	N375	N550	N660	N774
IODINE ADSORPTION, (g/kg)		ASTM D 1510	140±5	142±6	116±5	122±5	120±5	81±5	81±5	90±5	67±5	90±5	42±5	36±5	29±5
D.B.P ABSORPTION, (cm^3/100g)		ASTM D 2414	130±5	127±5	78±5	115±5	125±5	72±5	102±5	122±5	120±5	114±5	122±5	91±5	72±5
C.D.B.P ABSORPTION, (cm^3/100g)		ASTM D 3493	…	103±5	…	100±5	102±5	69±5	88±5	…	…	…	…	…	…
N2SA (m^2/g)		ASTM D 6556	…	143±6	…	115±5	119±5	78±6	79±5	…	…	…	…	…	…
TINT STRENGTH, (% vs. IRB)		ASTM D 3265	127±5	131±7	117±5	115±5	124±5	112±5	103±5	110±5	100±5	115±5	61±5	57±5	57±5
SIEVE RESIDUE, (% MAX.)	#325	ASTM D 1514	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	#35	ASTM D 1514	0.001	0.003	0.003	0.001	0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001
PELLET HARDNESS, (gf MAX.)	MAX.	ASTM D 3313	70	70	70	70	70	70	70	70	60	70	70	70	70
	AVG.	ASTM D 3313	45	45	45	45	45	45	45	45	40	45	45	45	45
FINES CONTENT, (% MAX)	P.P Bag	ASTM D 1508	8	8	8	8	8	8	8	8	8	8	8	8	8
	Paper Bag	ASTM D 1508	10	10	10	10	10	10	10	10	10	10	10	10	10
TOLUENE DISCOLORATION, (% MIN.)		ASTM D 1618	85	85	85	85	70	70	85	70	60	60	80	75	…
ASH CONTENT, (% MAX.)		ASTM D 1506	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
VOLATILE MATTER, (% MAX.)		KSM 6558	3	3	3	3	3	3	3	3	3	3	3	3	3
pH		ASTM D 1512	7±2	7±2	7±2	7±2	7±2	7±2	7±2	7±2	7±2	7±2	7±2	7±2	7±2
POUR DENSITY, (Kg/㎥)		ASTM D 1513	310±40	320±30	430 ± 40	350 ± 40	320 ± 40	460 ± 40	375 ± 40	340±40	340±40	320±40	350±40	425±40	475±40
HEATING LOSS, (% MAX.)		ASTM D 1509	2	2	2	2	2	2	2	2	2	2	2	2	2