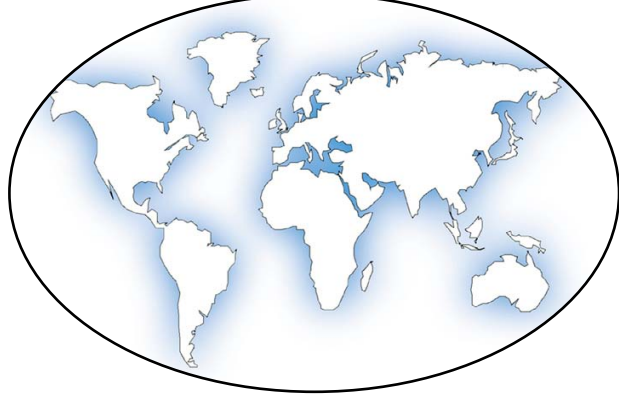




Typical Properties of Specialty Carbon Blacks



	D6556		D2414		D3265	2A-700	Region	Applications Comments
	NSA Surface Area m2/g	STSA Surface Area m2/g	OAN Oil Absorption cm³/100g		Tint Strength	% Volatile		
	Beads	Powder						
PERFORMANCE FURNACE CARBON BLACKS								
Raven® 7000 ¹	575	300	95	95	145	8.5	NA	High color coatings, plastics & toner.
Raven® 5000 Ultra® II ¹	583	350	95	95	135	10.5	NA	Automotive topcoat & engineering plastics applications. Raven® 5000 Ultra® III provides added benefit of very high purity.
Raven® 5000 Ultra® III ¹	583	350	95	95	135	10.5	NA	
Raven® 3500 ¹	375	212	105	105	145	5.0	NA	Coatings and engineering plastics applications.
Raven® 2500 Ultra®	270	206	65	67	147	-	NA	
Raven® 2300 Ultra®	190	170	50	52	130	-	Asia	
Raven® 2000	194	168	65	70	144	-	NA	
Raven® 1255 ¹	122	119	66	66	135	2.7	NA	Premium offset inks & specialty coatings.
Raven® 1250	113	102	55	60	128	-	NA	Coatings & plastics applications.
Raven® 1220 Ultra®	124	112	77	-	131	-	NA	Fiber applications.
Raven® 1200	106	104	55	60	128	-	NA	Coatings & plastics applications.
Raven® 1190 Ultra®	113	100	57	-	125	-	NA	Fiber applications.
Raven® 1180 ¹	110	97	-	60	128	2.7	NA	Premium offset inks & specialty coatings.
Raven® 1170	107	101	55	60	124	-	NA	Inks, coatings & plastics applications.
Raven® 1100 Ultra® ¹	101	95	72	72	120	2.4	NA	High quality sheetfed publication ink applications.
Raven® 1080 Ultra® ¹	79	77	60	60	109	1.6	NA	High quality inks including heatset, sheet fed, & other inks; coating applications.
Raven® 1060 Ultra® ¹	66	65	50	50	102	1.6	NA	
Raven® 1040 ¹	90	86	100	100	115	2.6	NA	
Raven® 1035 ¹	91	91	65	65	125	2.4	NA	
Raven® 1030	95	94	60	-	118	-	NA	Inks, coatings and plastics applications.
Raven® 1020	95	90	58	60	121	-	NA	
Raven® 1000	92	91	-	63	126	-	NA	
Raven® 900	82	81	-	108	102	-	NA/Asia	
Raven® 890	69	68	-	102	97	-	NA	Coatings applications.
Raven® 880 Ultra®	78	76	102	-	102	-	NA	Plastics, geomembrane and other film applications.
Raven® 880	78	76	102	-	102	-	Asia	
Raven® 860 Ultra®	48	48	48	50	91	-	NA	Offset inks - strong blue tone, high loading, ink concentrates.
Raven® 850	63	63	70	75	101	-	NA	Coatings, ink & plastisol applications.
Raven® 820	73	71	120	-	100	-	NA	Flexographic ink applications.
Raven® 790 Ultra®	64	64	-	105	95	-	NA	Sealant applications.
Raven® 780 Ultra®	89	77	58	60	109	-	NA	Electrostatic dry toners.
Raven® 760 Ultra®	64	64	48	50	102	-	NA	High quality inks including heatset, sheet fed, other inks & coating applications.
Raven® 520 / Raven® 520 Ultra®	40	39	121	128	58	-	NA	Plastic color concentrates for film, pipe & injection molding applications.
Raven® 510 Ultra®	38	38	90	-	57	-	NA	
Raven® 500	44	44	75	80	69	-	NA	Coatings - tint applications.
Raven® 450	35	34	63	65	61	-	NA	Plastic color concentrates for film & injection molding applications, plastic compounds, carbon paper and powder coating applications. Blue undertone tints typical of lampblacks.
Raven® 430 Ultra®	31	31	75	78	58	-	NA	
Raven® 425	29	29	72	75	54	-	Asia	
Raven® 420	28	28	72	75	50	-	NA	
Raven® 410 / Raven® 410 Ultra®	26	26	65	68	47	-	NA	News ink applications & plastic concentrates.
Raven® 415 / Raven® 415 Ultra®	32	32	65	-	61	-	NA/Europe	
Raven® 22	28	27	-	113	44	-	NA	Blue undertone tints, carbon brush applications - lampblack replacements.
Raven® 16	30	29	-	105	46	-	NA	
Raven® 14 ¹	44	44	-	111	66	1.7	NA	Coating color concentrates - lampblack replacements.
Raven® H2O ^{1,2}	45	45	-	111	66	2.2	NA	Paper, building products - low dispersion energy requirements.
Raven® UV Ultra®	124	112	114	-	118	-	Asia	UV protection, cable jackets and fiber applications.
Raven® P	155	109	113	-	107	-	Europe	Pipe applications.
Raven® PFEB	107	91	98	-	105	-	Europe	
Raven® P5 / Raven® P5 Ultra®	109	100	112	117	115	-	NA / Asia	Sealant, pipe, film & fiber applications.
Raven® L / Raven® L Ultra®	85	85	72	78	110	-	NA / Asia	Inks, coatings and plastics applications.
Conductex® SC Ultra®	205	124	115	115	123	-	NA	Wire & Cable, ESD & other conductive applications.
Conductex® K Ultra®	185	125	141	-	115	-	Asia	
Conductex® 7067 Ultra®	63	54	140	-	65	-	Asia	Insulation shield, conductor shield & ESD applications.
Conductex® 7060 Ultra®	63	56	156	-	70	-	NA	Wire & Cable, ESD & other conductive applications.
Conductex® 7055 Ultra®	55	50	170	-	61	-	NA	
Conductex® 7051 Ultra®	43	42	121	-	55	-	NA	Wire & Cable - insulation shield.
Conductex® 7054 Ultra®	43	42	122	-	60	-	Asia	
Conductex® 7091	39	39	121	-	58		Europe	
Copeblack® 890	139	119	113	-	123	-	SA	UV protection, plastic color concentrates for film and injection molding; ink applications.
Copeblack® 711	89	87	120	-	110	-	SA	Medium color plastic color concentrates & compounds.
Copeblack® 690	111	105	114	-	115	-	SA	UV protection, plastic color concentrates for film and injection molding; ink applications.
Copeblack® 450	76	76	72	-	111	-	SA	Medium color plastic color concentrates (high loading) & low rub-off news ink applications.
Copeblack® 282	78	78	102	-	103	-	SA	Medium color plastic color concentrates & geo membrane.
Copeblack® 193	40	39	54	-	69	-	SA	Medium color plastic color concentrates offering very high loading.
Copeblack® 49	39	38	121	-	57	-	SA	Plastic color concentrates for film and injection molding applications.
Copeblack® 35	34	33	90	-	56	-	SA	Plastic color concentrates for film & injection molding applications, plastic compounds, carbon paper, and powder coatings applications. Blue undertone tints typical of lampblack.
Copeblack® 25	31	30	65	-	55	-	SA	

1 - Surface oxidized, "Treated" grade
treated grades typically range in pH from 3 - 3.5

non-treated grades typically range in pH from 6.5 - 8.0

Note: OAN and tint strength are measured prior to treatment

2 - Industry specific treatment for enhanced dispersion and handling properties

Ultra® indicates carbon black having high purity with exceptionally low levels of ash and residue.

Color Index No.77266
Pigment Black 7
CAS No 1333-86

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