

PRODUCT SPECIFICATIONS & INFORMATION

degussa.

Applied Technology Center, 3500 Embassy Parkway, Akron, Ohio 44333 Phone: (800) 833-5222, Fax (330) 668-3846

Applied Technology Center, 2 Turner Place, Piscataway, NJ 08855 Phone: (866) 893-7824, FAX (732) 981-5310 - Carbon Black in Coatings Applications

Customer Service Department, 379 Interpace Parkway, Building C, Parsippany, NJ 07054 Phone: (800) 233-8052, Fax (973) 541-8733

PRODUCT: SPECIAL BLACK 4A

Pigment Black 7 Color Index # 77266

Special Black 4A is a post oxidized, regular color gas carbon black for use in high quality packaging inks, carbon papers and impact transfer printing ribbons.

METHOD #	PROPERTIES	UNIT	TYPICAL RANGE
----------	------------	------	---------------

GENERAL SPECIFICATIONS

PA 1540	Relative Blackness Value Myr	%	93.0 - 103.0
PA 1540	Absolute Contribution of hue dM	-	1.7 - 11.7
PA 1560	Relative greyness value Gyr	%	94.0 - 102.0
PA 1560	Absolute Contribution of hue dG	-	7.6 - 10.6
ISO 787/18	Sieve Residue (45µm)	ppm	300 max
DIN 53 601	DBP Absorption	ml/100g	81 - 95

SUPPLEMENTAL INFORMATION (not certified)

			TYPICAL VALUE
DIN ISO 787/9	pH Value	-	3.0
ISO 787/2	Volatile Matter at 105°C	%	7.5
DIN 53 553	Solvent Extractables (Toluene)	%	0.10 max
ISO 787/2	Tamped Density	g/l	350
DIN 53 552	Volatile Matter at 950°C	%	14

This information and all further technical advice are based on Degussa's present knowledge and experience. However, Degussa assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, Degussa disclaims all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. DEGUSSA SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. Degussa reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

CAS#: 1333-86-4

Revision No. 10

Issue Date: 4/12/2004 (ml)