

Pigment concentrates

US SF 4.3.

Resin free carbon black pigment dispersions, based on Special Black 4, Printex U, Printex 45, Printex 55, and COLOUR BLACK FW 200

Pigment paste (Supplier)	A	B	C	D	E
<i>Color index</i>	<i>P.BL 7</i>				
Pigment Trade name (1)	Special Black 4	Printex U	Printex 45	Printex 55	COLOUR BLACK FW 200
Pigment	24.50	24.50	29.69	26.49	13.07
Borchi® Gen 0851 (2)	17.15	17.15	11.88	15.89	20.90
Water	56.35	56.35	56.43	55.62	64.03
Borchers® AF T (2)	2.00	2.00	2.00	2.00	2.00
<i>Total</i>	<i>100.00</i>	<i>100.00</i>	<i>100.00</i>	<i>100.00</i>	<i>100.00</i>
Dosage of additive active content based on pigment content	35 %	35 %	20 %	30 %	80 %

All indications are as supply form (in % by wt).

Dispersion: 60 min, on Skandex BAS-20, with 150 g Zr-Silicate grinding beads (2mm)

Data

Particle size (using Grindometer)	< 3 µm	< 5 µm	< 7 µm	< 5 µm	< 6 µm
Viscosity (at shear rate 100 s ⁻¹ ; at 23 °C)	50 mPa·s	80 mPa·s	38 mPa·s	36 mPa·s	90 mPa·s
Storage (2 weeks at 50 °C)	no significant alteration of the viscosity and particle size				

Suppliers

- (1) Orion Engineered Carbons (www.orioncarbons.com)
(2) Milliken (www.milliken.com)

borchers.com/contact

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.