VERSAL BLUE LBS 01


TiO_2 1:1


TiO_2 1:10

Characteristic	
C. I.	Pigment Blue 15:3
C. I. No.	74160
CAS No.	147-14-8
Chemical Class	Phthalocyanine

Properties	
Oil Absorption [ml/100 g]	80
Density [g/cm^3]	1.7
Bulking Volume [l/kg]	3.6

Fastness	
Linseed Oil	5
White Spirite	5
DEHT	5
Xylene	5
Acetone	5
Butylacetate	5
Ethanol	5
Water	5
HCl 2.5%	5
NaOH 2.5%	5
Light - Full Shade	7-8
Light - 1/1	7-8
Light - 1/3	7-8
Weather - Full Shade	4-5
Weather - 1/1	4-5
Weather - 1/3	4-5
Overspray	5
Heat Resistance [°C]	P 300
Migration	5

P - in Plastics

Application Possibilities	
Printing Inks - Nitrocellulose	●
Printing Inks - Water based	●
Printing Inks - Decorative Laminates	○
Printing Inks - Offset	●
Printing Inks - UV Curing	●
Paints - Decorative	●
Paints - Industrial	●
Paints - Powder Coatings	●
Plastics - Polyolefines	●
Plastics - PVCp	●
Plastics - PP Fibers	●

● main application ○ side application

Other Informations	
Shelf Life	48 months

Testing methods

Density

- determined by ČSN EN ISO 787-10: 1997 (67 0520) in v g/cm^3

Bulking Volume

- denotes the volume of 1 kg of loosely poured pigment, expressed in litres

Oil Absorbtion

- determined by ČSN EN ISO 787-5: 1997 (67 0520) in ml/100 g pigment

Fastness to Solvents

- colouring of solvent after 24 h at 20 °C according to ISO grey scale is determined; degree 1 denotes the lowest fastness, degree 5 the highest one

Fastness to Reagents

- colouring of reagents after 24 h at 20 °C according to ISO grey scale is determined; degree 1 denotes the lowest fastness, degree 5 the highest one

Light Fastness - Xenotest

- determined by ČSN EN ISO 105-B02: 2000 (80 0147) and evaluated in 1/3 and 1/1 of standard depth and in full shade; determined according to blue scale, by it degree 1 denotes the lowest fastness, degree 8 the highest one

Weathering Fastness - Xenotest

- determined by ČSN EN ISO 105-B04: 1998 (80 0171) and evaluated in 1/3 and 1/1 of standard depth and in full shade; determined according to grey scale, by it degree 1 denotes the lowest fastness, degree 5 the highest one

Overspray Fastness

- assessment of bleeding into a white nitrocellulose combination lacquer for 60 min. at 70 °C against ISO grey scale; by it degree 1 denotes the lowest fastness, degree 5 the highest one

Heat Resistance

- the values quoted indicate up to what temperature the pigments do not significantly alter; these are guide values which can be influenced by the binder used and the period of exposure to high temperature

Migration Fastness

- assessment of bleeding into a white polyvinylchloride sheet for 24 h at 70 °C against ISO grey scale; by it degree 1 denotes the lowest fastness, degree 5 the highest one; no data means that the pigment is not recommended for dyeing of PVC

Fastness to plasticizers

- colouring of plasticizer (diethylhexylterephthalate) after 24 h at 20 °C acording to ISO grey scale is determined; degree 1 denotes the lowest fastness, degree 5 the highest one