C1B-2437, 3rd Phase, G.I.D.C,
Vapi - 396195, Gujarat, India

Email: mamtaind20@gmail.com
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TECHNICAL DATA SHEET

Product Details

Product Name	**PIGMENT BETA BLUE 15:3**
Color Index Name	PIGMENT BLUE 15.3
Color Index No.	74160
Appearance	BRIGHT BLUE POWDER
Chemical Formula	$C_{32}H_{16}N_8Cu$
Molecular Weight	576.07
Code No.	MI-822, MI-810 & MI-895
CAS No.	147-14-8
Chemical Class	Synthetic Organic Pigment

Physical Properties

Fineness	RETENTION ON 300 MESH SIEVE 1.0 %
Water Soluble	0.5% Max.
Oil Absorption	35 $\pm$ 5
Bulk Density	0.35 to 0.45 KG / LITRE
pH	7.0 $\pm$ 5
Moisture Content	0.5% Maximum
Viscosity	STD

Stability and Resistance (1 to 5 Scale: 1 = Poor, 5 = Excellent)

Water Fastness	5
Xylene	5
Ethyl Acetate	5
Alkali Resistance	5
Acid Resistance	5
Heat Stability	150^{O} C

Application Test

SOLVENT BASED POLYAMIDE INK SYSTEM, OFFSET AND SOLVENT PAINT SYSTEM	
DELTA E	LESS THAN 1.0
COLOUR STRENGTH	100 +/- 5 %

Heat Stability & Fast

HEAT STABILITY	UPTO 280 DEG C FOR 5 MINS.
FASTNESS PROPERTIES	
LIGHT (1-8 SCALE) **FULL SHADE** **TINE SHADE**	 8 7
WEATHERING (1-5 SCALE)	5
ACID (1-5 SCALE)	5
ALKALI (1-5 SCALE)	5

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BLEEDING ON PVC (1-5 SCALE)	5
OVERSPRAY(PAINT) (1-5 SCALE)	5

Key: (1-8 scale) 1- Poor; 8 – Excellent (1-5 scale) 1- Poor; 5- Excellent

Material Safety and Health Aspects

AVOIDED INHALLATION OF THE PIGMENT. KEEP AWAYS FROM DIRECT FIRE. LONG EXPOSURE ON SKIN SHOULD BE AVOIDED, WATER IS THE MEDIA TO PUT OFF THE FIRE.

Recommendation

1. PRINTING INKS (LETTERPRESS, OFFSET, FLEXO, GRAVURE,N.C.INKS)
2. INDUSTRIAL, DECORATIVE, AUTOMOTIVE PAINTS, EMULSION PAINTS, BAKING ENAMEL, POWDER COATING.
3. TEXTILE EMULSION.
4. TIN PRINTING, OFFICE ARTICALS, ARTISTIS COLOURS.
5. PLASTICS (HDPE, RIGID & PLASTICIZED PVC, CABLE INSULATION, POLYOLEFINE.