



## Fctics

### Blue BX

#### For plastics

#### Product Description

Phthalocyanine beta blue pigment with excellent fastness to heat and dispersion properties. Suitable for most plastics.

#### Product Information

Chemical Type	Phthalocyanine
C.I. Name	Pigment Blue 15:3
C.I. Constitution No.	74160
CAS No.	147-14-8
Physical	Blue powder

#### Application Profile

Polyolefins	•
Engineering Plastics	•
PVC & PVC Leather Cloth	•
Spun Fiber-PP	•
Spun Fiber –Nylon	o
Spun Fiber - PET	o

• Recommend / o Potential Use / -- Not Recommended

#### Technical Performance

Heat Stability	:	285 deg. C / 5min
Bleeding Fastness	:	5
Weather Resistance (FT/ RT):	:	5/5
Light Fastness (FT/RT)	:	8/8

#### Physical Properties

Oil Absorption	40 ± 10 %
Specific Gravity	1.30 ± 0.1
Bulk Density (g/ml)	0.32 ± 0.1
pH Value	6-8
Volatile Matter	1.0% Max
Resistance to Acid	5
Resistance to Alkali	5
Fastness to Bleeding in PVC-P	5
Specific Surface Area	-
Average size of Primary Particle	-

- Light fastness: The fastness to light be determined on injection molded plastic swatches of approximately 2 mm thickness. Test swatches exposed in QUV and the visual rating given on 1 to 8 Blue Wool scale where 1 = 'Poor' and 8 = 'Excellent'.
- Weather fastness: The fastness to weather is determined on injection molded plastic swatches of approximately 2 mm thickness. Test swatches exposed in Xenon Arc for 1000 hrs and the visual rating given on 1 to 5 Grey scale where 1 = 'Poor' and 5 = 'Excellent'.
- Heat stability: The Heat stability indicated is the maximum temperature in °C at which a change of color (DE ≤ 3) occurs after a dwell time of 5 minutes in the barrel of an injection molding machine as per DIN EN 12877-1.
- Oil absorption: The oil absorption was determined on the basis of EN ISO 787-5 and given in g linseed oil per 100 gm. pigment.
- Bleeding fastness: The fastness to bleeding in PVC-P is determined on a colored PVC film in contact with a white-pigmented PVC film in an oven at 140°C for 2 hrs and the visual rating given on 1 to 5 Grey scale where 1 = 'Poor' and 5 = 'Excellent'.

The above information is for guidance only and to the best of our knowledge it is accurate and reliable. However, as use conditions are not within our control, no guarantees are given or are to be inferred. Test methods used to generate this data can be provided on request.

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