



| Product Description | |
|---------------------------|------------------------------------|
| Chemical characterization | Cu-phthalocyanine blue, alpha-mod. |
| Color Index | Pigment Blue 15:1 |
| Appearance | Blue powder |
| C.I. No. | 74160 |
| CAS No. | 147-14-8 |

| Product Description | | | |
|---------------------|------|-------|--------------------------------|
| | Unit | Value | Test Method |
| Hue angle [1/3 SD] | | 249.3 | acc. to DIN EN ISO/CIE 11664-4 |

| Technical Data | | | |
|------------------|----------------------|-----------|-----------------------|
| | Unit | Value | Test Method |
| Density | [g/cm ³] | typ. 1.6 | acc. to ISO 787-10 |
| Bulk volume | [l/kg] | typ. 4.3 | acc. to ISO 697 |
| Specific surface | [m ² /g] | typ. 57.0 | acc. to DIN ISO 66132 |

| Fastness Properties | | |
|-------------------------|-------|-----------------------------------|
| Resistance to Chemicals | | |
| | Value | Test Method |
| Acid | 5 | rating acc. to DIN EN ISO 105-A03 |
| Alkali | 5 | rating acc. to DIN EN ISO 105-A03 |

Acid/alkali resistance: Pigment was dipped into hydrochloric acid (10%) or soda solution (10%). Rating with gray scale: 1=poor, 5=excellent.

| | Value | Test Method |
|------------------------------|-------|--|
| Migration | 5 | acc. to DIN EN 14469-4/DIN EN ISO 105-A03 |
| Warping | high | |
| Heat resistance [1/3 SD][°C] | 300 | acc. to DIN EN 12877-2 |
| Light fastness [1:10] | 8 | acc. to DIN EN ISO 4892-2/DIN EN ISO 105-B02 |

Migration: Tested in plasticized PVC system. Rating with gray scale: 1=poor, 5=excellent.

Warping: The pigment influence on the warping and shrinkage was tested for injection molded HDPE-parts.

Heat resistance: Tested in HDPE system.

Light fastness: Tested in LDPE system. Rating with 8-step wool scale: 1=poor, 8=excellent.

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| Application Profile | |
|---------------------|-----|
| PVC | +++ |
| Polyolefins | +++ |
| PS | +++ |
| ABS | ++ |
| PA | +++ |
| PC | ++ |
| Powder coatings | +++ |

+++ Excellent choice

++ Good choice

+ Possible choice

| Packaging and Handling | |
|------------------------|--|
| Packaging | 15 kg paper bags |
| Packaging | Different types of packaging are available on request. |

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Our application information and any other information in this document as well as our product specifications are based on our current state of knowledge at the Revision Date mentioned in the respective document. They are non-binding and cannot be taken as a guarantee. The processing company must establish the suitability of individual products itself. As their use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in particular applications. In addition to that, the legal rights of third parties must always be considered. The product specification agreed between the customer and ourselves is the basis upon which our general sales and delivery conditions are set and is the deciding factor concerning any liabilities. Our standard specification is then valid if no specification has been agreed upon between the customer and ourselves.