

Technical Data Sheet

Bayferrox® 912LOM

Description

| | |
|----------------|---------------------------|
| Type | Yellow pigment |
| Delivery form | Powder |
| Chemical class | Iron hydroxide - FeOOH |
| Color Index | Pigment yellow 42 (77492) |
| CAS-Nr. | 20344-49-4 |

Colorimetric Data

| Color values and tinting strength | | | |
|---|--|-------------|--|
| Reference | Bayferrox 912LOM | | 4504665 |
| Binder | Test paste based on a non drying alkyd resin | | Test Method based on DIN 55 983 (1983) |
| | min. | max. | Test method |
| Full Shade | | | Based on DIN 6174 |
| Delta-L* | -0,6 | 0,6 | |
| Delta-a* | -0,6 | 0,6 | |
| Delta-b* | -0,6 | 0,6 | |
| Delta-E _{ab} * | | 1,0 | |
| Reduction with titanium dioxide (1 : 5) | | | Based on DIN6174 & 55986 |
| Color values after matching of the tinting strength parameter: Y, d. h. | | | |
| Delta-a* | -0,7 | 0,7 | |
| Delta-b* | -0,7 | 0,7 | |
| Delta-E _{ab} * | | 1,0 | |
| Relative tinting strength [%] | 95 | 105 | Based on DIN 55 913 |

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Specification

| Technical Data | min. | max. | Test method |
|----------------------------|------|-------|----------------------|
| Sieve residue 325 Mesh [%] | | 0,008 | Based on ASTM D-185 |
| pH value | 4,0 | 8,0 | Based on ASTM D-1208 |

Informative technical data

| | min. | max. | Test method |
|--|------|----------|------------------------|
| Fe ₂ O ₃ Content [%] | 85 | 89 | Based on ASTM D-50 |
| Soluble Salts [%] | | 0,5 | Based on ASTM D-1208 |
| Oil absorption [g/100g] | 22 | 28 | Based on ASTM D-281 |
| Particle shape | | acicular | Electron micrographs |
| Tamped density [g/cm ³] | 0,6 | 0,9 | Based on ASTM D-787-11 |
| Density [g/cm ³] | 3,8 | 4,2 | Based on ASTM D-153-75 |
| Moisture content after production [%] | | 0,5 | Based on ASTM D-280 |
| Hegman | 6,5 | | Based on ASTM D-153 |

Packaging

650 kg – big bag
20 kg – paper bag

Transport and Storage

Protect against weathering.
Store in a dry place and avoid extreme temperature fluctuations.
Close bag after use to prevent moisture absorption and contamination.

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Safety

Bayferrox 912LOM is not classified as dangerous substance according to transport regulations (not classified).

The sample handling does not need special procedure.

The safety data sheet should be observed. It contains information on handling, product safety and ecology.

Use

Bayferrox 912LOM is broadly used in several applications, however its use is not recommended in food and drugs.

Site address

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