



TECHNICAL DATA SHEET PHTHALOCYANINE GREEN 7



High Performance Organic Pigment

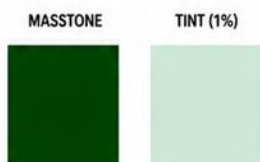
Colour Index: PG 7



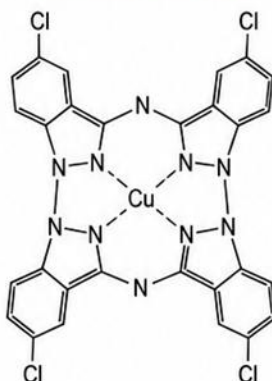
1. PRODUCT IDENTIFICATION

| | |
|------------------------------|-----------------------------------|
| Chemical Class | Chlorinated Copper Phthalocyanine |
| CI Name | Phthalocyanine Green 7 |
| Colour Index (CI No.) | PG 7 |
| CAS No. | 1328-53-6 |
| EINECS / EC No. | 215-524-7 |
| Molecular Formula | $C_{32}H_{16}Cl_8CuN_8$ |
| Molecular Weight | 775.08 |
| Shade | Bright Green |
| Appearance | Bright Green Powder |
| Density (g/cm ³) | ~1.6 |
| Oil Absorption (g/100g) | 30 – 45 |
| Bulk Density (g/litre) | 0.6 – 0.8 |

COLOUR & TINT STRENGTH



CHEMICAL STRUCTURE



2. KEY FEATURES

- Excellent Colour Strength
- Excellent Light & Heat Stability
- Outstanding Chemical Resistance
- High Opacity & Tinting Strength
- Excellent Dispersibility & Durability

3. APPLICATIONS



Paints & Coatings



Printing Inks



Plastics & Masterbatch



Rubber & Elastomers



Textile Applications

4. TYPICAL PACKAGING



25 Kg / 20 Kg
Triple Lined HDPE Bags
with PE Liner or as
per customer request

5. PHYSICAL & CHEMICAL PROPERTIES

| PARAMETER | SPECIFICATION | TEST METHOD |
|-------------------------------|---------------|-------------|
| Colour (Shade) | Bright Green | Visual |
| Strength (Tinting Strength %) | 95 – 105 | ISO 787-24 |
| Colour Index | PG 7 | ISO 787-24 |
| Heat Stability | Up to 300°C | ISO 787-24 |
| Light Fastness (Full Shade) | 8 | ISO 105-B02 |
| Weather Fastness | 5 | ISO 105-B04 |
| Oil Absorption (g/100g) | 30 – 45 | ISO 787-5 |
| pH (10% Extract) | 6.0 – 8.0 | ISO 787-9 |
| pH Value | 6.0 – 8.0 | ISO 787-9 |
| Water Soluble Matter (%) | Max. 1.0 | ISO 787-3 |
| Moisture Content (%) | Max. 1.0 | ISO 787-2 |
| Residue on 325 Mesh (%) | Max. 0.1 | ISO 787-7 |

8. REACH STATUS

- REACH Registered
- Pre-registered / Batch Dependent
- Not Classified as Hazardous

This product is registered under REACH Regulation (EC) No. 1907/2006. Registration or availability depends on batch, volume or specific conditions. Not classified as a substance requiring registration under REACH.

6. STORAGE



Store in a cool, dry and well-ventilated area, away from direct sunlight and moisture. Keep containers tightly closed when not in use.

7. SHELF LIFE



24 months from date of manufacture under proper storage conditions.



Note: This product is not classified as hazardous under CLP Regulation (EC) No. 1272/2008. Please refer to the product-specific Safety Data Sheet (SDS) for detailed handling information.

COMPLIANCE

- RoHS Compliant
- Heavy Metals Compliant
- Free from AZO Dyes
- Complies with EN-71-3