# PRODUCT DATA SHEET KEMIRA 660

**KEMIRA 660** $TiO_2$ pigment belongs to a group of modern alumina-silica-polyol surface treated multipurpose rutile grades. It has high outdoor durability, excellent dispersibility and very good optical properties such as bluish clean undertone, gloss and opacity. KEMIRA 660's fast and easy wetting and dispersibility characteristics make it an ideal multipurpose grade for paint production by a high speed dissolver alone or by a combination of HSD and a bead mill.

As KEMIRA 660 is a multipurpose grade it is recommended equally to decorative and industrial coatings, solvent and water-based systems. It can also be used in printing inks, paper coatings, PVC and polyolefin plastics.

| **TYPICAL PROPERTIES** | | |
|---|---|---|
| **Refractive index** | | 2.7 |
| **Relative tint reducing power** | | 1850 |
| **Oil absorption, g/100 g pigment** | | 21 |
| **$TiO_2$ content, %** | min | 93 |
| **Surface treatment** | | $Al_2O_3$-$SiO_2$, organic |
| **pH** | | 7.6-8.6 |
| **Moisture when packed, %** | max | 0.4 |
| **Sieve residue (325 mesh), %** | max | 0.01 |
| **Crystal size (mean), nm** | ca. | 220 |
| **Specific gravity, g/cm$^3$** | | 4.0 |
| **Bulk density, kg/m$^3$** | | 800 |
| **Bulk density (tamped), kg/m$^3$** | | 1000 |

**CLASSIFICATION**

| | |
|---|---|
| ISO 591, DIN 55912 R2 | CAS no. ($TiO_2$) 13463-67-7 |
| ASTM D476 II, IV | EINECS no. ($TiO_2$) 2366755 |
| Colour Index 77891 | Components listed in TSCA, EINECS |
| Pigment White 6 | |

The manufacture of KEMIRA products is within the scope of the ISO 9001 certified Quality Management System. The Pori plant also has the ISO 14001 certified Environmental Management System.

**SAFETY PRECAUTIONS**

Please see the Material Safety Data Sheet before handling the material.

**Warranty.** This information herein is offered as a guide and is believed to be accurate and reliable as of the date of the printing. The values given are not to be considered as a warranty and they are subject to change without prior notice. For additional information regarding our products or for information concerning current specifications, please contact our Technical Service. 04/2002

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