



# RC-800-PG Rutile Titanium Dioxide

**Description:** RC-800-PG is a low oil absorption, chloride process rutile titanium dioxide pigment. RC-800-PG is surface treated with alumina and silica, has excellent tint strength and dispersibility and provides a bluish / white high dispersion product. It is FDA approved for use under 21 CFR 178.3297.

|                      |                         |                         |            |
|----------------------|-------------------------|-------------------------|------------|
| <b>Chemical Type</b> | Rutile Titanium Dioxide | <b>Constitution No.</b> | 77891      |
| <b>Color Index</b>   | Pigment White 6         | <b>CAS No.</b>          | 13463-67-7 |

## Typical Chemical and Physical Properties

|  |                  |
|--|------------------|
| <b>Crystal Form</b>                      | Rutile           |
| <b>Surface Treatment</b>                 | Silica / Alumina |
| <b>Titanium Dioxide (%)</b>              | ≥ 95             |
| <b>Rutile Content (%)</b>                | ≥ 99             |
| <b>Oil Absorption (g/100g)</b>           | 15 - 20          |
| <b>Sieve Residue (325 Mesh - % max.)</b> | 0.20             |
| <b>Moisture Content (% Max.)</b>         | 0.30             |
| <b>pH of Water Suspension</b>            | 5.5 – 7.5        |
| <b>Specific Gravity</b>                  | 4.10             |
| <b>Whiteness (%)</b>                     | ≥ 96             |

## Applications

| Plastics |   | Coatings             |   | Inks          |   | Other         |   |
|----------|---|----------------------|---|---------------|---|---------------|---|
| PVC      | ■ | Decorative           | ■ | Water Flexo   | ■ | Paper         |   |
| PE       | ■ | Automotive/Aerospace |   | Solvent Flexo | ■ | Rubber        | ■ |
| PP       | ■ | Industrial           | ■ | InkJet        |   | Finger Paints |   |
| PS       | ■ | Powder               | ■ | UV            |   | Seed Coatings |   |
| PET      | ■ |                      |   | Offset        |   |               |   |
| Fiber    | ■ |                      |   |               |   |               |   |

Not Frequently Used    
  Limited    
  Recommended

**Comments:** RC-800 is recommended for the construction industry.

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