



# Ti-Pure™

## R-796+ Rutile Laminate Grade Titanium Dioxide

## Product Information

### Product Description

Ti-Pure™ R-796+ is a versatile, high brightness rutile pigment manufactured using the chloride process. Ti-Pure™ R-796+ provides excellent opacity and retention and is suitable for use in high and low pressure décor papers, decorative foils, and print-base applications.

### Key Features

- Excellent opacity and retention characteristics in a variety of water types
- Outstanding light stability
- High brightness with neutral, blue-white shade
- Self-dispersing characteristics in alkaline aqueous systems
- Superior quality consistency
- More neutral pH delivering process latitude in wet end

**Table 1.** Typical Properties of Ti-Pure™ R-796+

Property	R-796+
Color L*	99.88
Color a*	-0.59
Color b*	2.09
Conductivity, mS/cm	0.15
pH	7.4
Moisture, %	0.33
Light Stability, Blue Wool	7
Surface Area, m <sup>2</sup> /g	8.5
Isoelectric Point	7.3

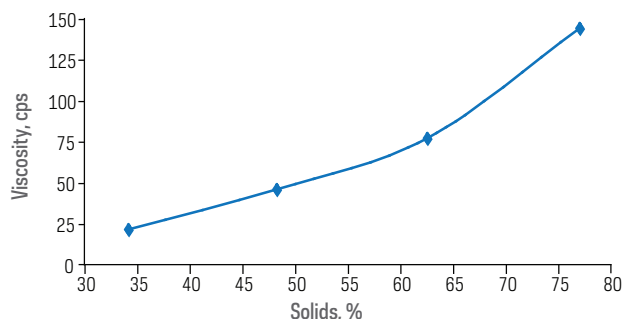
### Technical Features

The surface chemistry of Ti-Pure™ R-796+ makes this grade compatible with a wide range of water chemistries, offering excellent retention properties. These same surface properties allow the formulation of self-dispersing, stable slurries with solids as high as 80% through pH control, without requiring the addition of any dispersant.

### Packaging

Ti-Pure™ R-796+ is available in 25-kg bags with 40 bags per pallet and 1,000-kg semi-bulk containers with one per pallet. The 25-kg bags are made from low-sized, fully bleached high-brightness paper that can be repulped and recovered in the paper mill. The semi-bulk container is made of woven polypropylene and cannot be repulped.

**Figure 1.** Viscosity Curve for Ti-Pure™ R-796+



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