

# DuPont™ R-794

## Rutile Laminate Grade Titanium Dioxide

### Product Description

This product is an easily water-dispersed high brightness pigment that provides outstanding UV light stability, opacity, and retention, and is suitable for use in high and low pressure décor papers, decorative foils, and print-base applications.

### Key Features

- Consistent performance across a variety of laminate paper types and papermaking water chemistries
- Outstanding protection against paper UV yellowing and graying
- Excellent post-formability
- Disperses easily in aqueous systems
- Superior product consistency using the chloride manufacturing process

### R-794 Typical Properties

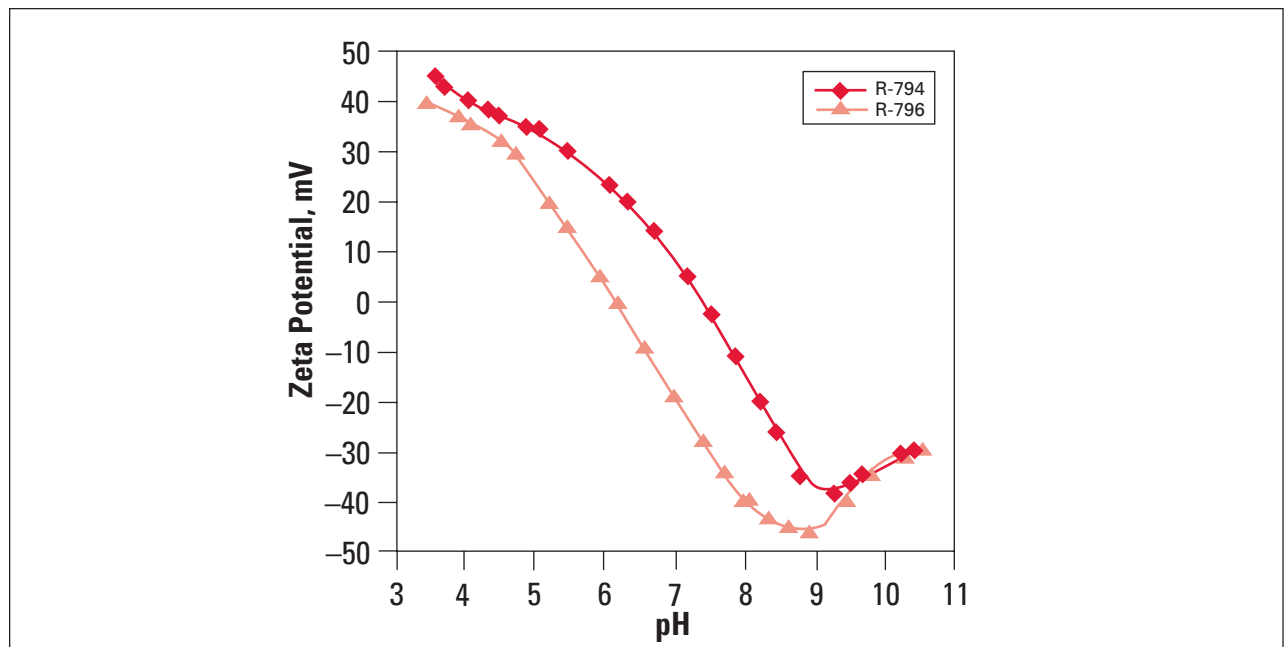
Color L*	99.8
Color b*	2.8
Refractive Index	2.7
Isoelectric Point	7.5
pH, ISO Standard-787	8.0
Sieve Residue (325 mesh), %	0.03
UV Light Stability ( $\Delta E$ ) <sup>†</sup>	<1.0
TiO <sub>2</sub> Content, %	>93
Mean Particle Size, $\mu\text{m}$	0.3

<sup>†</sup> 3-hr exposure to UV light

### Packaging

R-794 is available in 25-kg bags with 40 bags per pallet, 500-kg semi-bulk containers with two 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 containers are made of woven polypropylene and cannot be repulped.

Zeta potential for R-794 compared to R-796 as a function of pH, titrated from alkaline to acidic conditions



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## DuPont Titanium Technologies

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