



## LOMON® R-996

### Titanium Dioxide Pigment

## PRODUCT DESCRIPTION

LOMON® R-996 is Zirconia and Alumina treated rutile titanium dioxide pigment. It is proved to have excellent outdoor durability and super gloss in paint & coating, ink and plastic industries.

## APPLICATIONS

LOMON® R-996 is recommended as a premium pigment for a variety of high quality powder coatings, water-born and solvent-born industrial and decorative coating, ink and plastics.

## TECHNICAL DATA SHEET

TYPE	R-996
Crystal Form	Rutile
Classification ISO591, DIN55912	R2
ASTM D476	II
CAS No.	13463-67-7
TiO <sub>2</sub> Content(%) min	93
pH Value	6.5~8.5
Density(g/cm <sup>3</sup> )	4.0
Oil Absorption (g/100g) max	22
Specific Resistance(Ω m) min	150
Average Particle Size(μ m)	0.23
Surface Treatment	Zirconia & Alumina, Organic

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- In every case caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party.
- We are, at all times, willing to study customer specific outlets involving our products in order to enable their most effective use.



## COMPARABLE PRODUCT TEST REPORT

### COATING SOLUTIONS:

#### Alkyd Melamine Enamel Test:

Binder 32% coconut alkyd / butylated melamine=70/30 (solid)  
 Grinding Red Devil 5400 Paint Conditioner  
 Enamel Dry PVC 24%, Pig / Binder solid=1.2  
 Coating For Gloss and Color evaluation, coated with 150 micron wet thick applicator on a glassplate and baked for 20 minutes at 130 degree Centigrade.  
 For Opacity evaluation, coated with 60 micron wet thick Barcoater on a black and white paper.

	R-996	Competitive A	Competitive B	Competitive C
Fineness of grinding	( $\mu$ m)	( $\mu$ m)	( $\mu$ m)	( $\mu$ m)
For 3 min	17	20	17	15
9 min	14	17	13	12
15min	12	16	12	10
21min	10	15	10	8
40min	<5	12	<5	<5
60 Specular Gloss	89	87	89	90
Color				
L	93.9	93.7	94.0	94.0
a	-1.0	-0.9	-0.9	-1.0
b	0.6	1.2	0.8	0.9
Whiteness	93.8	93.5	93.9	93.8
Opacity				
Y on black substrate	75.6	74.7	75.8	75.7
Y on white substrate	84.7	83.9	84.8	84.5
Contrast Ratio	89.3	89.1	89.4	89.6

For information only

Not for regulatory purposes

## SAFETY & HEALTH INSTRUCTION

All Lomon TiO<sub>2</sub> products including R996 are not hazardous article according to international standard. Material Safety Data Sheet will be provided.

## PACKING & TRANSPORTION

25KG, 500KG and 1000KG, seaworthy and suitable for container transportation



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### **Customer Support**

According to our world map guidance you can find the information of our region sales managers, please do not hesitate to contact us if you have any questions.

