

LOMON[®] R-996

Titanium Dioxide Pigment

PRODUCT DESCRIPTION

LOMON[®] R-996 is Zirconia and Alumina treated rutile titanium dioxide pigment. It has excellent outdoor durability and superior gloss.

APPLICATIONS

LOMON[®] R-996 is recommended for exterior or interior use in high quality water-borne and solvent-borne architectural, industrial and powder coatings, inks and plastics industries.

TECHNICAL DATA SHEET

TYPE	R-996
Crystal Form	Rutile
Classification ISO591, DIN55912	R2
ASTM D476	III
CAS No.	13463-67-7
TiO ₂ Content(%) min	93.0
pH Value	6.5~8.5
Density(g/cm ³)	4.0
Oil Absorption (g/100g) max	22
Specific Resistance(Ω · m) min	100
Average Particle Size(μm)	0.23
Surface Treatment	Zirconia & Alumina; Organic

The information in this publication is, to the best of our knowledge true, but since the conditions of use are beyond our control, the recommendations provided are not to be considered as a warranty expressed or implied.

In every case caution must be exercised to avoid violation or infringement of regulatory requirements or any rights belonging to a third party.

We are, at all times, willing to study customer specific application involving our products in order to attain 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-micronwet thick Bar-coater on black and white paper.

	R-996	Competitive A	Competitive B	Competitive C
Fineness of grinding	(μm)	(μm)	(μm)	(μm)
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 TiO₂ products including R996 are not hazardous article according to international standard. Material Safety Data Sheet will be provided.

PACKING & TRANSPORTION

25Kg, 500Kg and1000Kg, seaworthy and suitable for container transportation

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