

TEST REPORT

SAMPLE REF	BLACK RECLAIM
PHYSICAL TESTING BEFORE AGEING	
CURING TEMP. °C	140
CURING TIME, MINS	20
a. HARDNESS (SHORE A) (IS - 3400 - XXXII -- 2002(2005))	53
b. TENSILE STRENGTH, KG/CM ² (IS - 3 400 - I - 1937(2005))	55.36
c. ELONGATION AT BREAK. % (IS - 3400 - I - 1987(2005))	247.5
d. SPECIFIC GRAVITY di. (IS & 3400 - IX -1978(2005))	1 .08

SAMPLE REF :	BLACK RECLAIM
CHEMICAL TEST	
a. ASH CONTENT (IS – 3400 - 3 400 - XXII)	8.32
b CARBON BLACK CONTENT, % (IS - 3 400 - XXII)	27.85
c ACETON EXTRACT. % (IS - 3 400 - XXII) :	11 .23
d. RHC CONTENT : BY DIFFERENCE, % (IS - 3400 - XXII)	52 .60

REPORT NO.: 5938 & A DT. 16.02.07

FORMULATION

NR RECLAIM RUBBER =	100.00
ZINO	2.5
ST.ACID	1.00
MBT	0.250
DPG	0.1
SULPHUR	1.5

TECHNICAL DATA

General Description

KEMOX RC 822 is silica - alumina and organic treated titanium dioxide pigment produced by the chloride process. It has the highest degree of gloss and tint retention properties in exterior film applications. It is characterized by an optical balance of high initial gloss, ease of dispersion, opacifying power and exterior weathering properties

Applications

KEMOX RC 822 is recommended for interior and exterior enamels and lacquers for industrial and architectural purposes.

Typical Properties

Titanium Dioxide (min)%	90
Rutile content (min)%	99
Specific Gravity	4
Bulk Density (g/cc)	0.87
Treatment	Al, Si
Oil Absorption (max)	21 g oil /100g pigment
pH	7.0 to 8.0
Volatile matter at 105°C (%)	0.6
Average particle size microns(Microtrac)	0.30 to 0.34
Chalk Resistance	high
Grit (325 mesh) % max	0.004
ISO 591 Clause	R2

Packaging

25 Kg. multiwall paper bags.

A,CONSIGNMENT DATA

Customer Name	ANISH ENTERPRISE	Date of Dispatch	10/02/2009
Material Name	Zinc Oxide	Quantity	3250kgs
Material Code	-	Invoice No.	
Issue Date	-	Invoice date	10/02/2009
Pur. Ord. No.		Month of Mfg.	02/2009
Lot No.	44/02		

Determination	Unit	Results	Spec. Min	Spec. Max.
Zinc Oxide	%	99.349	99.30	
Acid Insoluble	%	0.190		0.20
Iron as Fe	Ppm	36		100
Lead as Pb	Ppm	84		500
Cadmium as Cd	Ppm	4		50
Copper as Cu	Ppm	3		10
Manganese as Mn	Ppm	2		10
325 Mesh US Sieve	%	0.091		0.1

Sr. No.	Batch No.	Quantity Kgs.
01	1903902	50
02	1903814	200
03	1904209	1000
04	1904110	1000
05	1904205	1000

PIGMENTARY CHARACTERISTICS/CHEMICAL COMPOSITION

Titanium Dioxide	97.50% (min.)
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pH	6.0-8.0
Iron	0.0170% (max)
Volatile	0.50% (max.)
Matter soluble in water	0.50% (max)
Colour	Close match to the approved sample
Reducing power	Close match to & approved sample
Residue on 325 mesh	0.10% (max.)
Oil Absorption	22+/-2
Tinting strength	1250 (Guaranteed) 1300 (Typical)
Relative density at 27 °C	3.7-3.9
P ₂ O ₅	0.50% (max.)
SiO ₂	0.70% (max.)
Al ₂ O ₃	0.10% (max.)
Sb ₂ O ₃	0.015%(max)
Copper	0.002% (max.)
V ₂ O ₅	0.0015% (max.)
Cr ₂ O ₃	0.0010% (max.)
Chalk Resistance	Low
Physical data	
Colour	White powder (Solid)
Odour	Odourless
Melting point	1830 °C
Boiling Point	3000 °C