



R.E. Carroll, Inc.

Raw Materials • Fillers • Petroleum Products



DOVER CLAY - QUANTITATIVE ANALYSIS

Hard Rubber Clay

Silica (SiO ₂)	43.2 - 44.5%
Aluminum Oxide (Al ₂ O ₃)	38.5 - 39.5%
Iron Oxide (as Fe ₂ O ₃)	1.44 - 1.78%
Titanium Dioxide (TiO ₂)	1.00 - 2.00%
Manganese Oxide (MnO ₂)	None
Magnesium Oxide (MgO)	Faint Trace
Calcium Oxide (CaO)	Faint Trace
Potassium Oxide (K ₂ O)	Faint Trace
Sodium Oxide (Na ₂ O)	Faint Trace

PHYSICAL PROPERTIES

Screen Residue	0.25% Maximum on a 325 Mesh Screen
Free Moisture	Less than 1%
Specific Gravity	2.6
Color	Light Cream
Acidity of Clay (pH)	4.75 +/- .75
Particle Size	92% finer than 2 microns
Ignition Loss	14.0% +/- 1.0%
Surface - Mean Diameter	
By Air - Permeation Test	0.6 Microns
Oil Absorption	36ml Oil/ 100gm Clay +/- 6ml

As of 1/17/06