
INDUSTRIAL CLAY

TYPICAL TECHNICAL DATA

Ione's Industrial Clay is a run-of-mine clay sold out of stockpiles. These clays are used primarily in applications where impermeable barriers are required. These applications include liners and caps of landfills, toxic pits, ponds and irrigation ditches.

PHYSICAL DATA

◆ RAW CLAY COLOR	PALE ORANGE - BUFF
◆ PERMEABILITY RANGE	.5 –1.3x10 ⁻⁸ CM/SEC
◆ MOISTURE CONTENT	14 - 17%
◆ pH (40% Solids)	6.0

CHEMICAL DATA

◆ SILICA (SiO ₂)	59.7%
◆ ALUMINA (Al ₂ O ₃)	24.0%
◆ IRON OXIDE (Fe ₂ O ₃)	2.9%
◆ TITANIA (TiO ₂)	1.7%
◆ LIME (CaO)	0.2%
◆ MAGNESIA (MgO)	0.4%
◆ ALKALIES (Na ₂ O, K ₂ O)	0.6%
◆ TOTAL SULFUR (as SO ₃)	0.2%
◆ PHOSPHOROUS PENTOXIDE (P ₂ O ₅)	0.05%
◆ L.O.I.	10.4%

The data given above are based on averages of test results on samples selected from routine plant production by standard A.S.T.M. test procedures where applicable. Variations from the above data may occur in individual tests. These results cannot be taken as minima or maxima for specification purposes.