

IGS

Technical Data

DESCRIPTION

IGS is a moderately fine-ground industrial grade of Sepiolite clay for use in tape joint cements, stucco, asphalt roof coating, caulks, sealants, etc.

Sepiolite is a hydrous magnesium silicate clay mineral, $Mg_8Si_{12}O_{30}(OH)_4(OH_2)_4(H_2O)_8$. It is a light weight, non-swelling, porous clay with very high surface area and a lathe-like physical structure. This unique structure forms a gel when mixed in aqueous systems. The very low cation exchange capacity makes it stable such that it will maintain viscous properties in a brine solution

TYPICAL PHYSICAL PROPERTIES

+200 Mesh (Dry Screen)	6%
Free Moisture	15% max
325 Mesh Residue (Wet)	4% max
Bulk Density (Uncompacted)	38 lbs/cu. Ft.
pH (6% Solids Slurry)	8.8 - 9.8
Oil Absorption (ASTM D281)	70
Surface Area (B.E.T.) Fully Dispersed	200 m ² /g
Viscosity *	6000 cP avg

*Viscosity measured with Brookfield viscometer at 10 rpm, mixed with high shear at 6% solids.

PACKAGING

Available in 50 lb. (3-ply natural bags), bulk bags, & bulk trucks.
Shipped on 42x48 non-returnable pallets.

STORAGE

Store in a cool, dry place protected from outside weather conditions.

Lhoist – Amargosa Clay Operation
498 E. Invite Road
P.O. Box 86

Amargosa Valley, NV 89020

Phone: 775-372-5341

<http://www.lhoist.com> <http://www.imvnevada.com>