

JABSORB Superabsorbent Media

JABSORB is a high performing granular, cross-linked Superabsorbent Polymer (SAP) that is capable of absorbing up to 350x (by weight) of water. The polycarboxylate properties of JABSORB offer strong ion exchange capacity and help stabilize heavy metal cations.

APPLICATIONS

Dredged Sediments and Semi-Solids Solidification

JABSORB is highly efficient for solidifying all types of aqueous waste streams and semi-solids associated with dredging and ex-situ solidification/stabilization applications. With a very high absorption rate (up to 350x by weight) and minimal swell (expands volume < 1%), JABGEL will significantly reduce waste transport and disposal costs.

Coal Combustion Residuals (CCR)

JABSORB will continue to absorb under pressure and has proven highly effective in improving stability and shear strength for CCR wastes when subjected to surcharge loads. JABGEL amended materials will pass EPA paint filter tests (typically < 15 minutes), expediting direct load-out and reducing handling expenses.

Low Level Radioactive Waste (LLRW)

JABSORB is non-biodegradable, non-exothermic and has been freeze-thaw tested to assure no liquids are released after freezing and subsequent thawing cycles. The high absorption properties JABSORB will minimize waste volume and weight, while helping to assure that solidified wastes meet waste acceptance criteria (WAC) of the designated disposal facility.

TYPICAL PROPERTIES

(The values indicated below describe typical properties and are not to be used for specification limits)

PROPERTY	RESULTS
Free Swell (DI water)	> 350 X by weight
Bulk Density	0.52-0.6 (g/cc)
AUL (ISO 17190)	18 g/g (minimum)
Moisture Content	< 5%

JABCO Environmental
PO Box 2082
Frankfort, IL 60423
(630) 300-8075
info@jabcoenvironmental.com

The information herein is based on our knowledge and believed to be accurate and reliable. The information provided merely describes the typical properties of our products. Since conditions of application and use are beyond our control, we make no guarantee of results and accept no legal liability for damages incurred by the use of this material.