

Preblended Expander (Automotive SLI)

Expander functions in the negative electrode of lead-acid batteries to promote the development of fine crystal sponge lead upon formation and then to preserve this high surface area structure by preventing coarsening of crystals upon cycling. it also serves to protect the negative active material from becoming less reactive during discharge or on open circuit by preventing the formation of an impervious non-conducting film of lead sulfate.

Batteries are prepared with optimized ratios of positive active material, negative active material and electrolyte.

Technical Data Sheet IPL28

Composition	Specification	Unit	Amount
Vanisperse A	Borregaard	%	10
Vanisperse HT-1	Borregaard	%	18
Carbon black	N 550	%	17
Barium sulphate	Synthetic	%	55

Dosage: 1Kg per 100Kg Oxide Material.

Packing: 10Kg HDPE Bag - 500Kg wooden box.

Storage: Store in a Cool and Dry place.

To meet standards of reserve capacity cold crank ability, and especially battery life, manufacturers need to get maximum efficiency out of the negative active material, otherwise the under-utilized mass is simply unproductive weight and expense. Expander Formulated to provide outstanding battery performance over a wide range of discharge rates and temperatures.

It is a highly modified expander designed to significantly increase the life of the negative electrode under high temperature conditions for both shallow and deep cycles. This enable more efficient formation and better “under the hood” performance. The expander influence on the performance and the durability of the negative plate. The Exact expander blend of superconductive carbon, lignosulfonate and barium sulfate is important to achieve the optimum performance from the battery on its particular duty cycle.

