



POLYMER ADDITIVES GROUP

FLAME RETARDANTS & SMOKE SUPPRESSANTS

adding precious time

Technical Information

CHARMAX® FR APB

Ammonium Pentaborate

Theoretical Composition

Boric Oxide, B ₂ O ₃	63.95 %
Ammonium Oxide, (NH ₄) ₂ O	9.57 %
Crystallization Water, H ₂ O	26.48 %

Typical Properties

Specific Gravity	1.58 ± 0.1
Retained on 70 mesh	< 10 %
pH of 1% aqueous solution	8.35
Solubility in water, % by wt.	
	@ 20 C 9.6
	@ 50 C 19.6
	@ 90 C 41.2

Applications

- Corrosion inhibitor
- Electrolytic capacitors
- Fluxes for welding, brazing, soldering
- Flame retardant

Health and Safety

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool dry, well ventilated area away from incompatible materials. For additional handling and toxicological information, consult the Polymer Additives Group Material Safety Data Sheet.

This information is believed to be an accurate and reliable representation of the products average properties and it is offered in good faith but without guarantee and may be modified by later findings. The manufacturer makes no warranties, express or implied, regarding the accuracy, completeness or adequacy of the information contained herein. Any recommendations or suggestions are also made without warranty or guarantee, since the conditions of use are beyond our control. It is the obligation of the customer/user to make its own assessment to determine suitability of use for any purpose, including, the appropriate health, safety, disposal, and environmental precautions necessary in each products intended use(s).

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