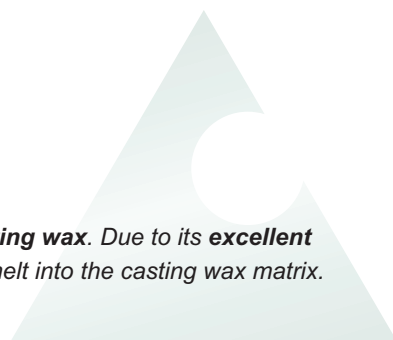


Aldex Copolymer Series

XLPS Copolymer

Aldex XLPS Copolymer is a **productivity improving additive/filler for investment casting wax**. Due to its **excellent dimensional stability at required casting wax application temperatures** it does not melt into the casting wax matrix.



Physical Chemical Properties

Polymer Structure:	Styrene/Divinylbenzene
Physical Form:	Transparent beads
Odor:	No odor
Solubility in Water:	Insoluble
Reactivity:	Chemically inert
Moisture Content:	1% maximum
Specific Gravity:	1.02 to 1.05
Bulk Density:	0.63 to 0.7 gm/ml
Thermal Stability:	200° C (392° F) maximum
Ash Content:	0.05% maximum
Screen Size Distribution:	140 to 500 US Mesh

XLPS Copolymer Advantages

Superior thermal conductivity results in shorter dwell times and improved productivity.

Fine particle size distribution results in an exceptionally smooth surface finish.

Physically stable with high melting point so that it does not melt into wax matrix.

Low ash content for cleaner shells after burnout.

Environmentally acceptable.

Does not affect the compatibility of the wax with alloys used in investment casting foundries.

Applications

Due to wax handling methods during melting, the conditioning and injection stages of pre-pattern production will directly reflect the quality of the wax pattern produced. Organic fillers are now widely recognized to improve the formulation of investment casting wax. Aldex XLPS Copolymer meets these important criteria as an additive to investment casting wax:

- Organic
- Low ash content
- Relatively high melting point
- Fine particle size distribution
- Non-reactive towards base wax
- Specific gravity close to the base wax

Packing and Storage

- Super sacks: 600 kg (1320 lbs).
- Super sacks: 900 kg (1980 lbs).
- Polyethylene lined HDPE bags: 20 kg (44 lbs).

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Safety Information

A material safety data sheet is available for Aldex XLPS Copolymer. Copies can be obtained from Aldex Chemical Co., LTD. Aldex XLPS Copolymer is not a hazardous product and is not WHMIS controlled.

Caution: Acidic and basic regenerant solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. Before using strong oxidizing agents in contact with ion exchange resin, consult sources knowledgeable in the handling of these materials.

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