CRAY VALLEY

Technical data sheet

SMA 4000I

March 2006*

INTRODUCTION

SMA® Resins can react with primary amines (R-NH_2) to form fully imidized styrene-maleic anhydride (styrene–maleimide) copolymer products.

Depending on the base SMA® Resin used in the imidization reaction, it is possible to prepare products with Styrene/Maleimide ratios ranging from 1/1 to 4/1.
These SMA Imide derivatives exhibit superior thermal stability compared to standard SMA® Resins, and are less sensitive to alkaline hydrolysis.

SMA 4000 I is a styrene - maleimide resins with a molar ratio Styrene/ maleimide respectively close to 4/1.

TYPICAL PROPERTIES

Physical State :	Solid - Flakes
Colour	yellow
Non Volatiles (%)	>98%
Solubility : and Aromatic solvents	Totally soluble in Ketones, Ethers
Amine index (meq/g)	1.6 – 1.85

RECOMMENDATION FOR USE

SMA Imide derivatives can be used in various application as a solid or after solubilization in different solvents.
Styrene maleimide resins are soluble in aqueous acid solutions due to the presence of the tertiary amine functional groups.
Further information and technical advice can be obtained by contacting us.

PACKAGING

All grades can be packed as follows :

- 22.7 Kg paper bags which can be palletised
- 81.8 kg fiber drums which can be palletised

Bulk deliveries are also available upon request.

SHELF LIFE STABILITY

SMA Imide derivatives stability is excellent : shelf life is one year minimum under normal conditions.

STORAGE AND HANDLING

Storage should be in a ventilated area protected from heat. The containers should be stored well closed. Ensure appropriate exhaust and ventilation at machinery and at places where dust can be generated.

HEALTH AND SAFETY

Care should be taken to avoid contact with eyes and to avoid inhalation of dusts. If SMA Imide derivative does contact eyes, wash well-open eyes immediately, abundantly and thoroughly with water.
Full health and safety data sheets in accordance with EEC regulations are available on our web site www.crayvalley.com

The information given herein must be read in conjunction with the relevant Health and Safety Data.Starting point formulations and suggestions for use are given for guidance and are made without warranty. Nor should it be construed as permission or inducement to practise any invention by patent without authority from the owner thereof.

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