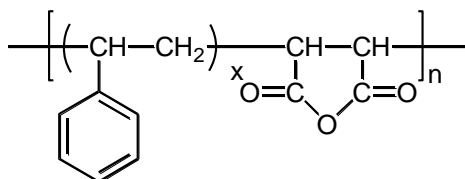

Technical Data Sheet: SMA[®] 3000

STYRENE MALEIC ANHYDRIDE COPOLYMER



DESCRIPTION

SMA[®] 3000 is a low molecular weight styrene, maleic anhydride copolymer with ca. 3:1 mole ratio. SMA 3000 is available in powder or flake form. SMA 3000 can be utilized to modify melt flow, improve coupling, and to better disperse fillers and pigments in thermoplastics. It also offers improved impact and heat distortion temperature properties in thermoplastic materials.

PERFORMANCE PROPERTIES

Water resistance
Gloss modifier
Adhesion
Viscosity modifier

SUGGESTED APPLICATIONS

Paper sizing
Powder coatings
Epoxy formulations
Polymer composites
Ink additive
Solvent-based coatings
Polymer modification
Chemical intermediate

SMA[®] 3000
TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white flake or powder
Acid Number, mg KOH/gm	285
Color, Gardner scale	1
Tg, °C	125
Resin Molecular Weight, M _n	3800
Resin Molecular Weight, M _w	9500
Kinematic Viscosity, cts	0.80
Non-volatiles, % min.	99
Solubility, gms./100 ml solvent at 25 °C	
n-Hexane	<1
Toluene	<15
Ethanol – 190 proof	<1
Acetone	>50
MEK	>50
THF	>50
Ethyl Acetate	>50

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