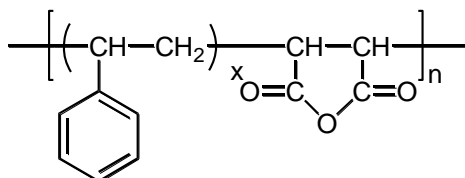

Technical Data Sheet: SMA[®] 2000

STYRENE MALEIC ANHYDRIDE COPOLYMER



DESCRIPTION

SMA[®] 2000 is a low molecular weight styrene, maleic anhydride copolymer with ca. 2:1 mole ratio. SMA 2000 is available in powder or flake form. SMA 2000 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

Moderate solution solids
Heat resistance
High gloss
Polymeric surfactant

SUGGESTED APPLICATIONS

Emulsion polymerization
Paper sizing
Wax emulsions
Polymer modification
Chemical intermediate

<p>SMA[®] 2000 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</p>
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Appearance	Off-white flake or powder
Acid Number, mg KOH/gm	355
Color, Gardner scale	1
Tg, °C	135
Resin Molecular Weight, M _n	3000
Resin Molecular Weight, M _w	7500
Kinematic Viscosity, cts	0.72
Non-volatiles, % min.	99
Solubility, gms./100 ml solvent at 25 °C	
n-Hexane	<1
Toluene	<1
Ethanol – 190 proof	<1
Acetone	>50
MEK	>50
THF	>50
Ethyl Acetate	>50

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