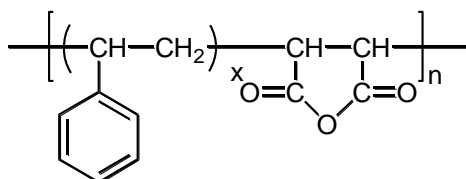


Technical Data Sheet: SMA[®] EF-30P

STYRENE MALEIC ANHYDRIDE COPOLYMER



DESCRIPTION

SMA[®] EF-30P is a low molecular weight styrene, maleic anhydride copolymer in powder form with an approximate 3:1 mole ratio.

PRODUCT HIGHLIGHTS

Well defined reactivity
High purity

PERFORMANCE PROPERTIES

Excellent electrical properties
Low metal ion content
Low chloride ion content

SUGGESTED APPLICATIONS

Epoxy laminates
Polymer composites
Powder coatings

SMA[®] EF-30P TYPICAL PHYSICAL AND CHEMICAL PROPERTIES
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Appearance	Off-white powder
Acid Number, mg KOH/gm	280
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
Metal ion (sodium, magnesium, or iron), ppm	<10
Chloride Ion, ppm	<20
Residual Styrene, wt. %	<0.1
Residual Maleic Anhydride, wt. %	<0.01
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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