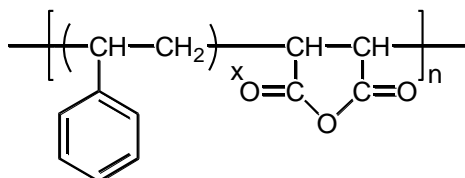

Technical Data Sheet: SMA[®] EF30

STYRENE MALEIC ANHYDRIDE COPOLYMER



DESCRIPTION

SMA[®] EF30 is a low molecular weight styrene, maleic anhydride copolymer with an approximate 3:1 mole ratio. It is available in flake and powder form.

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
Polymer modification
Powder coatings

<p>SMA[®] EF30 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</p>

Appearance	Off-white Flake
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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