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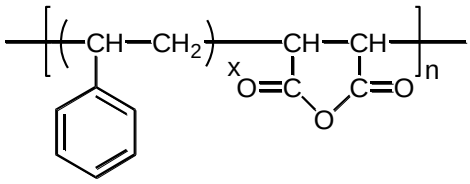
Technical Data Sheet: SMA® EF80P

STYRENE MALEIC ANHYDRIDE COPOLYMER



DESCRIPTION

SMA® EF80 is a low molecular weight styrene maleic anhydride copolymer with an approximate 8:1 mole ratio. SMA EF80 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.

PRODUCT HIGHLIGHTS

High purity
Well defined reactivity

PERFORMANCE PROPERTIES

Excellent electrical properties
Low metal ion content
Low chloride ion content

SUGGESTED APPLICATIONS

Coatings, powder
Composites, epoxy laminates
Polymer modification
Composites, polymer

SMA® EF80P

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white powder
Acid Number, mg KOH/gm	120
M_n, g/mol.	7500
M_W, g/mol.	14400
Residual chlorine (ppm)	<20
Residual maleic anhydride (%)	<0.01
Residual metals (Na,Fe,Mg) (ppm)	<10
Residual styrene (%)	<0.20
Tg, °C	104
Viscosity @ 180 °C, poise	573
Viscosity @ 200 °C, poise	105