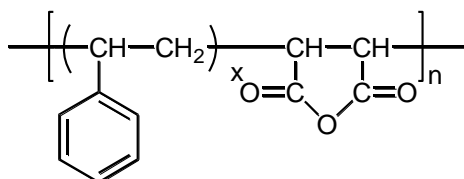


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**Technical Data Sheet: SMA<sup>®</sup> EF80**

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**STYRENE MALEIC ANHYDRIDE COPOLYMER**



**DESCRIPTION**

SMA<sup>®</sup> 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

<p><b>SMA<sup>®</sup> EF80</b> <b>TYPICAL PHYSICAL AND</b> <b>CHEMICAL PROPERTIES</b></p>
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Appearance	Off-white Flake
Acid Number, mg KOH/gm	120
M <sub>n</sub> , g/mol.	7500
M <sub>w</sub> , g/mol.	14400
Residual chlorine (ppm)	<20
Residual maleic anhydride (%)	<0.01
Residual metals (Na,Fe,Mg) (ppm)	<10
Residual styrene (%)	<0.20
T <sub>g</sub> , °C	104
Viscosity @ 180 °C, poise	573
Viscosity @ 200 °C, poise	105

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