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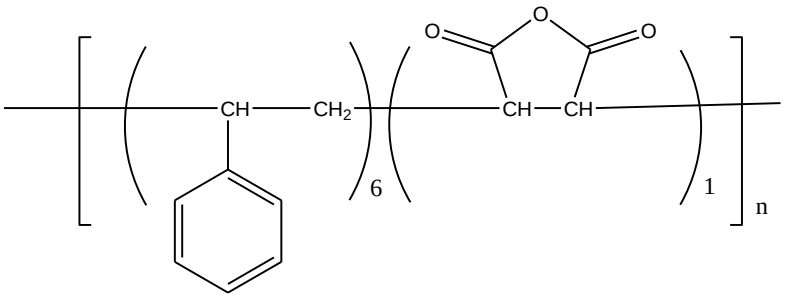
# Technical Data Sheet: SMA® EF60

## STYRENE MALEIC ANHYDRIDE COPOLYMER




### DESCRIPTION

SMA® EF60 is a low molecular weight styrene maleic anhydride copolymer with an approximate 6:1 mole ratio. SMA EF60 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® EF60**

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**

| | |
|---|---|
| Appearance | Off-white Flake |
| Acid Number, mg KOH/gm | 156 |
| Chloride Ion, ppm. | <20 |
| $M_n$, g/mol. | 5500 |
| $M_W$, g/mol. | 11500 |
| Residual maleic anhydride (%) | <0.01 |
| Residual metals (Na,Fe,Mg) (ppm) | <10 |
| Residual styrene (%) | <0.20 |
| Tg, °C | 106 |
| Viscosity @ 180 °C, poise | 479 |
| Viscosity @ 200 °C, poise | 71 |