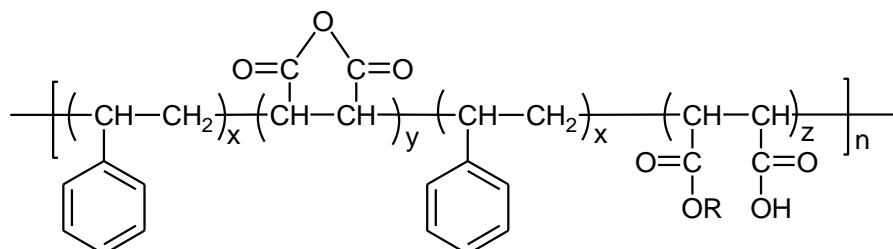


Technical Data Sheet: SMA[®] 1440 Flake

STYRENE MALEIC ANHYDRIDE COPOLYMER



DESCRIPTION

SMA[®] 1440F is a partial mono ester of an SMA Resin. SMA 1440F can be utilized to improve filler and pigment dispersion in thermoplastic materials.

PRODUCT HIGHLIGHTS

SMA[®] Resin Ester that has the lower glass transition temperature and the lowest melt viscosity

PERFORMANCE PROPERTIES

Polymer surfactant
High solids solutions and aqueous base
Excellent compatibility with a broad range of formulation ingredients
Improved adhesion to plastic film
Solvent solubility

SUGGESTED APPLICATIONS

Pigment dispersions
Polymer surfactant
Polymer modification
Paints

SMA[®] 1440 Flake TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white flake
Acid Number, mg KOH/gm	185
Color, Gardner scale	2
Tg, °C	60
Resin Molecular Weight, M _n	2800
Resin Molecular Weight, M _w	7000
Non-volatiles, % min.	97
Solubility, gms./100 ml solvent at 25 °C	
n-Hexane	<1
Toluene	<1
Ethanol – 190 proof	<15
Acetone	>50
MEK	>50
THF	>50
Ethyl Acetate	>50

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