

SCRIPSET™ COPOLYMER RESINS

North American Product Offering

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Scripset™ brand resins are multipurpose polymeric resins produced by the copolymerization of styrene and maleic anhydride and its ester derivatives. Commonly used in bottle label adhesives and photo-resist coatings for circuit boards, these resins promote water resistance, adhesion, strength, durability, flexibility, clarity, and high temperature resistance. They are also used to enhance the finished properties of paper, inks, coatings, pigment dispersions, adhesives, and latex gloves. Solution products are sold under the imPress™ brand name.

Free-flowing Powders		Typical Properties					Notes
Product	Chemical Type	Percent Solids	Acid No.	Molecular Weight	Monomer Ratio ⁽²⁾	Tg °C	
Scripset 520	SMA ⁽¹⁾	100%	405	350,000	1 : 1	140 - 150	Copolymer of styrene and maleic anhydride.
Scripset 540	Butyl/Methyl Ester of SMA ⁽¹⁾	100%	185	180,000	1.18 : 1	140 - 150	Enhanced solvent solubility.
Scripset 550	Secondary Butyl Ester of SMA ⁽¹⁾	100%	175	105,000	1.40 : 1	140 - 150	Enhanced solvent solubility.
Scripset 550E	Secondary Butyl Ester of SMA ⁽¹⁾	100%	175	105,000	1.40 : 1	140 - 150	Electronics grade of Scripset 550 copolymer. Excellent clarity.

Alkali Solutions		Typical Properties					Notes
Product	Scripset Copolymer	Percent Solids	Solvent Type	Molecular Weight	Monomer Ratio ⁽²⁾	pH	
imPress SC700	Scripset 520	13%	NaOH	350,000	1 : 1	7.5 - 9.0	Scripset 520 copolymer diluted in sodium hydroxide.
imPress SC720	Scripset 520	12.5%	NH ₄ OH	350,000	1 : 1	8.0 - 9.5	Scripset 520 copolymer diluted in ammonium hydroxide.
imPress SC740	Scripset 540	10%	NH ₄ OH	180,000	1.18 : 1	9.0 - 9.5	Scripset 540 copolymer diluted in ammonium hydroxide.
Scripset 745	Scripset 540	11%	NaOH	180,000	1.18 : 1	8.2 - 8.8	Scripset 540 copolymer diluted in sodium hydroxide.

⁽¹⁾ SMA = Styrene Maleic Anhydride

⁽²⁾ Monomer Ratio = Styrene : Maleic Anhydride

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