

SOLSTICE A-C™ PERFORMANCE ADDITIVES FOR HOT MELT PRESSURE SENSITIVE ADHESIVES

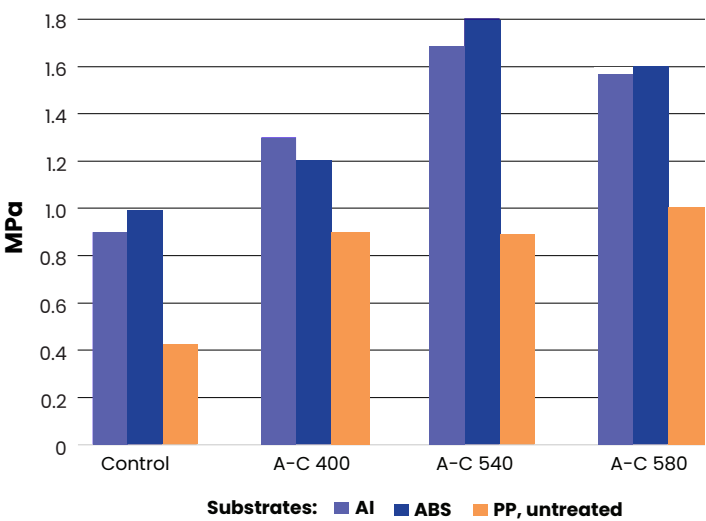
A variety of A-C performance additives are used in hot melt pressure-sensitive adhesives (HMPSA) to increase lap shear adhesion, reduce oil migration and improve heat aging resistance.



INCREASED LAP SHEAR ADHESION

Low-molecular-weight ethylene vinyl acetate and ethylene acrylic acid polyethylene copolymer additives increase lap shear adhesion in styrene-butadiene block copolymer type HMPSA.

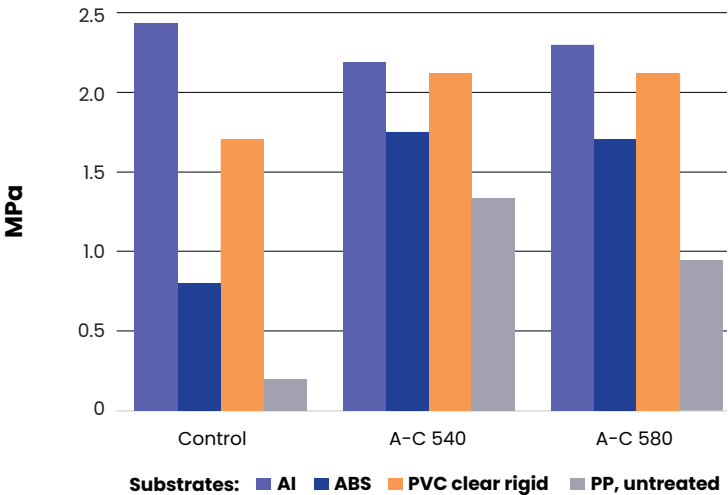
Lap Shear Adhesion 5% Added to SBS formulations



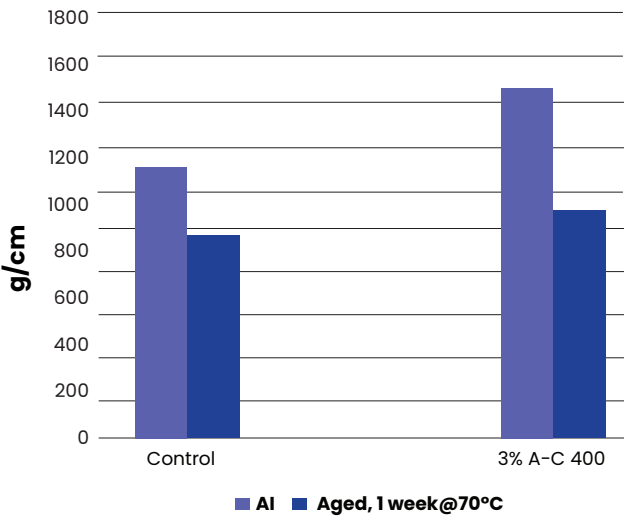
REDUCED OIL AND PLASTICIZER MIGRATION

Low-molecular-weight polyethylene additives delay oil migration to the surface of pressure-sensitive adhesives. Adding a small quantity of A-C performance additives enhances oil and plasticizer binding, resulting in lower bleeding and helping to maintain tack and adhesion for a longer period of time.

Lap Shear Adhesion 3.5% Added to SBR formulations



Tack



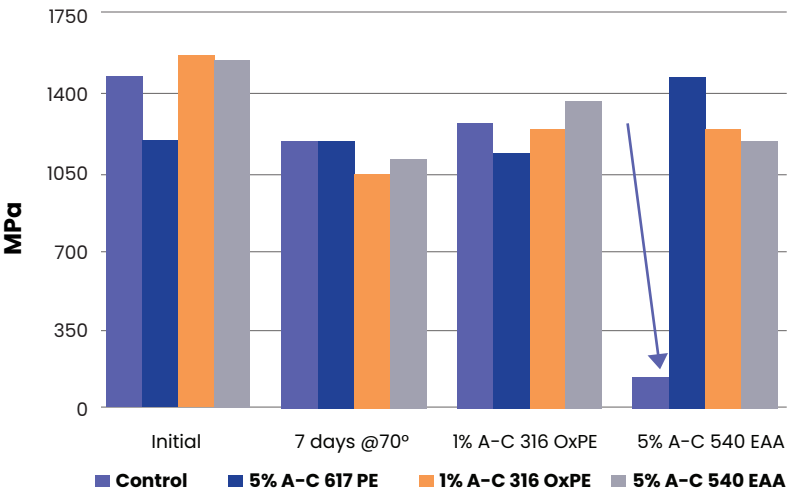
INCREASED HEAT RESISTANCE

Low concentrations of A-C additives improve the heat aging performance of styrene block copolymer hot melt pressuresensitive adhesives.

RECOMMENDED PRODUCTS

The type and quantity of A-C additives to be used in a given formulation. Will differ depending on the actual pressure-sensitive adhesive formulation

180° Peel Adhesion to Plasticized PVC



SELECTION OF RECOMMENDED PRODUCTS

PRODUCT	ADDITION LEVEL	BENEFITS
A-C 8, A-C 617, A-C 400	1-2%	Reduced oil migration
A-C 540, A-C 580, A-C 400	3-7%	Increased peel and shear strength
A-C 540, A-C 580	3-7%	Increased adhesion to metal foil and metallized surfaces
A-C 1702	4%	Increased tack at the expense of peel strength for removable PSAs



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