

A-C[®] Performance Additives for Hot Melt Pressure-Sensitive Adhesives

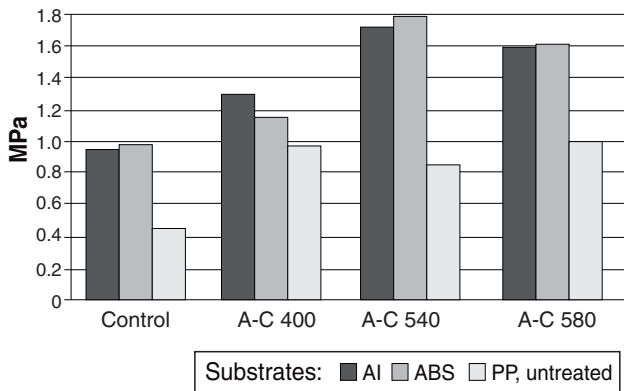
A variety of A-C[®] performance additives are used in hot melt pressure-sensitive adhesives (HMPSA) to increase lap shear adhesion, reduce oil migration and improve heat aging resistance.



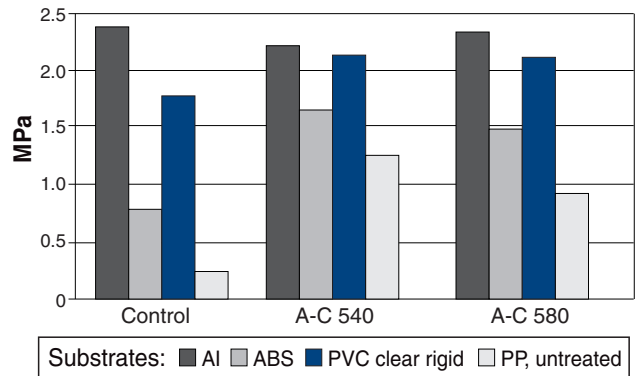
Increased Lap Shear Adhesion

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**



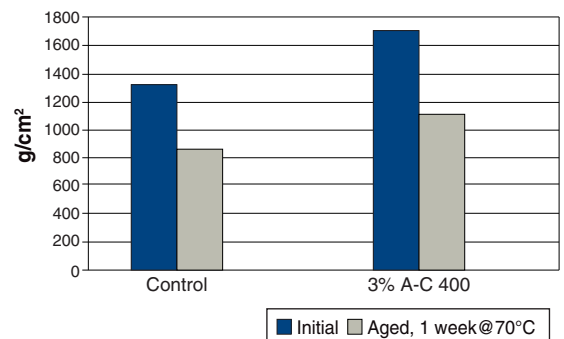
**Lap Shear Adhesion
3.5% Added to SBR formulations**



Reduced Oil and Plasticizer Migration

Low-molecular-weight polyethylene additives delay oil migration to the surface of pressuresensitive 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.

Tack



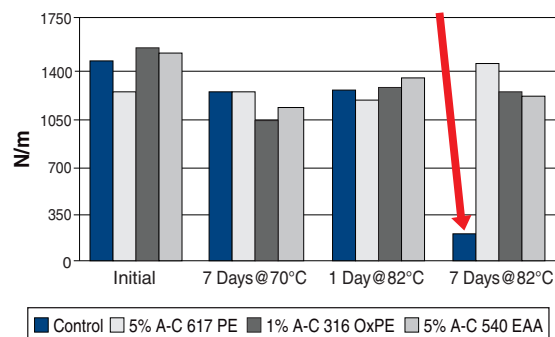
Increased Heat Resistance

Low concentrations of A-C additives improve the heat aging performance of styrene block copolymer hot melt pressure-sensitive 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%	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

For additional information or to contact us, please visit:
honeywell-additives.com

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