

HOMOPOLYMER

POLYVINYL ACETATE HOMOPOLYMER EMULSIONS, OFTEN CALLED PVAC OR OCCASIONALLY PVA HOMOPOLYMERS. POLYVINYL ACETATE IS SYNTHESIZED BY THE EMULSION POLYMERIZATION OF VINYL ACETATE MONOMER (VAM).

PVAC EMULSIONS ARE BEST KNOWN FOR THEIR USE IN WOOD GLUES OR SCHOOL GLUES DUE TO THEIR STRONG ADHESION PROPERTIES. HOWEVER, PVAC EMULSIONS ARE ALSO WIDELY USED IN MANY INDUSTRIAL AND CONSUMER END-USE APPLICATIONS:

- WATER-BASED ADHESIVES FOR WOOD WORKING AND PAPER PACKAGING
- CARPET BACKINGS
- BUILDING AND CONSTRUCTION PRODUCTS



PRODUCT CODE	PRODUCT DESCRIPTION	VISCOSITY (cP)	SOLIDS %	pH at 25°C	SPECIFIC GRAVITY	MFFT °C	Tg °C	APPLICATIONS
LC E 5001	Homopolymer	40000 - 60000	50 ± 1	4.0 - 6.0	1.07	Approx 9	17	General Purpose Wood
LC E 5001 SH	Homopolymer	25000 - 45000	35 ± 1	4.0 - 6.0	1.07	Approx 9	17	Wood Adhesive

POLYOLS

POLYESTER POLYOLS ARE USED IN BROAD RANGE OF APPLICATIONS FROM FLEXIBLE FOAMS TO RIGID FOAMS. FLEX FOAMS WITH SOLVENT RESISTANCE AND FOAMS WITH FLAME LAMINATION PROPERTY USED TO MAKE LAMINATES IN APPAREL INDUSTRY ARE KEY APPLICATION AREAS OF POLYESTER BASED FOAMS.

POLYETHER POLYOLS' MAJOR USE IS IN POLYURETHANE FOAMS. FLEXIBLE FOAMS ARE PRIMARILY USED IN CUSHIONING APPLICATIONS SUCH AS FURNITURE, BEDDING AND CAR SEATS, AND INCARPET UNDERLAY. RIGID FOAM'S LARGEST CONSUMER IS THE CONSTRUCTION INDUSTRY WHERE IT IS MOSTLY USED FOR INSULATION. RIGID FOAM IS ALSO USED IN COMMERCIAL REFRIGERATION AND PACKAGING. SMALLER USES FOR POLYETHER POLYOLS INCLUDE ELASTOMERS, ADHESIVES AND SEALANTS, SURFACE COATINGS AND POLYURETHANE FIBRES.