OSP Polyvinyl Acetate Polymers
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OSP polyvinyl acetate polymers are typically shipped at a total solids content of 54-56%. Viscosity will vary by product from a low range of 50-200 cps to a high of 2000-4000 cps. The pH of these products will be between 4.0 and 7.0. A quality or characteristic that is common to all of our products is their excellent machining or mechanical stability.

Commercial Products

DARATAK® 56L

This is a very high molecular weight polymer with a low emulsion viscosity used in applications that require higher heat resistance than found in typical polyvinyl acetate polymers. It is used in heat resistance adhesives and wood glues as well as some thermal forming applications. Its films exhibit a relatively high degree of solvent resistance and a high blocking point.

In adhesive formulations, Daratak 56L may be employed to obtain very good adhesive and tensile strengths, while minimizing thermoplasticity and cold flow. These properties are particularly important in adhesives that may be subjected to a wide range of temperatures. Daratak 56L exhibits good bite in wood substrates and has found wide application in wood glues both by itself and in compounded formulation.

The components of this emulsion comply with FDA regulations 175.105, 176.170 and 176.180 for use in food packaging, adhesives and coatings.

DARATAK® 61LT

This is a high viscosity, hydroethyl cellulose stabilized homopolymer that exhibits better water resistance than typical vinyl acetate polymers. It is Borax compatible, and will accept high levels of fillers and fire retardant additives. It is used in heat sealing, paper and foil adhesives and in fire retardant mastics. Films exhibit excellent water resistance. Daratak 61LT exhibits an outstanding viscosity response to plasticizer addition. This eliminates the need for thickeners or non-sag additives in many applications. When dried, a plasticized film of Daratak 61LT exhibits excellent clarity.

The components of this emulsion comply with FDA regulation 175.105, 176.170 and 176.180 for use in food packaging, adhesives and coatings.
DARATAK® 90L

This is an acrylic containing pressure sensitive copolymer emulsion that dries to a permanently tacky film. It is specifically designed for adhering to a wide range of non-porous substrates. It may be used alone or blended with elastomeric polymer emulsions used in pressure sensitive applications. It can be modified with tackifying resins or other polymers to give a wide range of pressure sensitive properties.

The components of this emulsion comply with FDA regulation 175.105, Adhesives.

DARATAK® A and B

Daratak A and B are internally plasticized vinyl acetate copolymers. Films of Daratak A have flexibility equivalent to that of vinyl acetate homopolymers plasticized with 10% dibutyl phthalate. Films of Daratak B have flexibility equivalent to that of vinyl acetate homopolymers plasticized with 20% dibutyl phthalate. Tough, flexible and water resistant, Daratak A and B provide excellent machineability, speed of grab and set, afford adhesion to non-porous surfaces, and are compatible with a wide range of adhesives-compounding ingredients. Because of the excellent compounding stability, they can be used as a base for adhesives for non-porous substrates. They are different Tg versions of the same polymer.

Components of these emulsions comply with FDA regulations 175.105 and 176.170 for use in food packaging, adhesives and coatings.

DARATAK® SP1074

This polymer is a vinyl acrylic terpolymer emulsion designed for bonding plastic films to themselves or to porous substrates. It can be applied by extrusion, roller, brush or spray. It is a compounded version of Daratak 90L that provides more aggressive tack and higher peel strength.

Components of this emulsion comply with FDA regulation 175.105, Adhesives.

DARATAK® 17-200

This is a low-medium viscosity, general purpose polyvinyl acetate homopolymer emulsion, noted for its superior compounding and machining stability. It exhibits particularly good receptivity to solvents, acids and plasticizers. It finds application in a
wide range of adhesive compounds for wood gluing and paper packaging, textile sizing and finishing. It has excellent adhesion and fiber tear on wood substrates.

Components of this emulsion comply with FDA regulation 175.105 and 176.170 for use in food packaging, adhesives and coatings.

**EVERFLEX® G**

This is a high molecular weight vinyl acetate copolymer emulsion. It offers excellent flow, flexibility and machining properties. Consequently, it finds wide application in specialty coating applications. It is used in some durable exterior, maintenance coating, such as asphalt coatings. It has been used as a top coat for fabric used to make book covers, and as a concrete additive for patching old concrete.

**EVERFLEX® GT**

This is a versatile emulsion polymer is designed for high solids mastic compounds, caulks, and joint cements. Its outstanding chemical and mechanical stability enables the formulator to develop high solid, high viscosity compounds with exceptional flow and leveling characteristics. It is able to accept high filler loadings while maintaining good flow and leveling properties. Its excellent mechanical stability and compounding versatility has enabled it to maintain a market share vs. straight acrylics.

**EVERFLEX® SP1084**

This is a high molecular weight polyvinyl acetate emulsion polymer that is designed for use as a concrete additive.

**VERSAFLEX® 9**

This is a vinylidene chloride acrylate designed to provide improved water resistance verses traditional acrylics. It has been used to encapsulate asbestos in place by spray applying to asbestos insulation materials. It provides a tough, durable, water resistant coating. It has excellent adhesion to glass, metal and some engineering plastics in either clear or pigmented coatings.