ABWAB AL JAZEERA

Technical information of AD- 909

Chemical Nature: Pressure sensitive adhesive

Product description

Acrylic emulsion copolymer with carboxyl groups.

Product Properties

Characteristics	Range/ Value	Unit	Ref. Standard
Solids content (%)	53±1	%	ISO 1625
PH	< 5	----	ISO 976
Viscosity,Brookfield (25°,cp)	4000- 8000	CP	ISO 2555
Density(gr/cm^3)	1.01	g/Cm^3	ISO 2811
Minimum Film Formation Temperature (°C)	-35	°C	ASTM D2354

Dispersion type	Anionic
Plasticizer	None
Flexibility	Very good

Applications

Pressure sensitive adhesive, AD- 909, is an acrylic copolymer which contains carboxyl groups. Long time adhesion characteristics of this product has resulted in widespread application of this product in adhesive industry.

AD- 909 provides great adherence on plasticized/ unplasticized PVC, polyesters, polyolefin films, sealants , OPP/ BOOP films, PET and etc. final coating made by this product represent resistance to peeling and offers suitable adherence to slim layer of the surface underneath and at low temperature as well.

Compatibility

Polymers: AD- 909 is miscible with a lot of nonionic and anionic aqueous polymers. It should be noted that often dried film of mixed polymers take an appear cloudy.

Thickeners: AD- 909 is compatible with Acrylic Acid-based, Polyvinyl alcohol ,Cellulose ethers and Poly urethane thickeners. It should be noted that most of the time the dried film has a cloudy appearance.

Plasticizers: AD- 909 is compatible with different types of thickeners based on acrylic acid, Poly vinyl alcohol and polyurethane.

Coalescence Agents: AD-909 is compatible with any types of Coalescence agents, such as Texanol, 402 solvent, Diethylene glycol monobutyl ether. Texanol ester alcohol is recommended at a level of 1 to 3% on polymer solids for most applications.

Explanations

While using AD-909 , according to the usage, the film formation temperature can be decreased by coalescence agents and by using thickeners reach to the suitable viscosity. Using anti foam to the level of 0.1 to 0.3% when using this is necessary and in order to prevent of microorganisms attacks suitable preserver should be used. Using of glycols leads to resistance against freezing increases but altogether the film formation temperature will not decrease noticeably.

Storage

12 month from production date under standard conditions and away from direct sunlight and heat.