

COATING DIVISION

**TECHNICAL DATA SHEETS FOR HIGH CLARITY
WATER BASED ADHESIVE BATCH PRODUCTS.**

TECHNICAL DATA SHEET

BONDEX® PF

BONDEX® PF is water based Acrylic Emulsion designed for low peel adhesion and tack on various substrates. **Bondex® PF** is recommended for protective Polyethylene Films and exhibits low peel build up on different substrates such as Glass, Stainless Steel, Aluminum Sections, Sunmica etc.

It gives peel strength of Max 200 gms/inch at 30°C after application on PE film at 3 – 5 GSM coating (dry weight).

TYPE	: Water based Emulsion
CHEMICAL COMPOSITION	: Synthetic Acrylic Resin Emulsion
PHYSICAL PROPERTIES	
APPEARANCE	: Milky White Emulsion
% SOLID CONTENT	: 52 - 54
VISCOSITY AT 30°C BY FORD CUP, B4 SIZE, SECONDS	: Max 30
pH	: 8.0 – 10.0
TYPE OF APPLICATORS	: Directly coated on multiplayer film (LD+HD mix) surface using Gravure Coater and mayer bar at a coating thickness of 3 – 5 GSM..
SUGGESTED USES	: For Protective Surface Films on Stainless, Glass, Aluminum Sections & Sunmica.
HANDLING & STORAGE	: Store in sealed containers in dry condition at temperatures between 15-30°C, away from direct heat, sunlight, dust and moisture. Protect from frost. Containers once opened should be shut tightly to prevent contamination. Stocks should be used on a first in, first out basis. Do not mix with other products without consulting us / doing your own test to determine its suitability, as it can lead to incompatibility and other related problems.
PACKING	: 220 Kg HDPE Drums



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Rohit News



- Rohit Rubber Corporation – has been appointed as distributors for Mitsui Chemicals -Japan – For their ethylene propylene diene monomer (EPDM) and Tafmer range .
- Rohit Rubber Corporation has been appointed as distributors for Technowax Chemicals for their Dry bonding agents
- [Rubber Asia - Jan 2011 issue](#)
- [Rubber expo Jan 2013 Stall D70](#)

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Products

Natural Rubbers

- ISNR 10, 20, 3L , 5CV ,
- PLC 1x , 1 , 2, 3
- RSS 1x, 4, 5, Lot,
- EBC 1x
- Skim

Imported

- STRXL
- PLC 1x /1

Synthetic Rubbers

- Sourced from Korea, Japan, China, Europe, Russia, America
- Nitrile Rubbers (NBR): High, Low, Ultra High, Medium /1
- Styrene Butadiene Rubbers (SBR): 1502/ 1712
- Polybutadiene Rubber (PBR): GP/1220/BR01
- EPDM Rubbers: Oil Extended and Non-Oil Extended
- Polychloroprene rubber
- Fluro Elastomers.
- Polyacrylic Rubbers
- Butyl: Bromo and Cloro
- PVC Nitrile: 70:30, 50:50
- TPR & TPV

Waxes

- Mc Wax
- Paraffin
- Speciality

Reinforcing Agents

- Speciality Silicas
- Nylon Fabric

Processing Aids

- Processing Oils

Peroxides

Stearic Acids

Insoluble sulphurs

Resins and tackifiers

Wood rosins

Reclaim Rubbers



Jesons Industries Limited

Manufacturers of Synthetic Adhesives, Vinyl Acetate & Acrylic Emulsions.

JIL/TC-DEV/07-00

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TECHNICAL DATA SHEET

BOND[®]EX A 117

Bond[®]EX A-117 is based on Acrylic Polymer Emulsion. It has very high tack, good Shear Strength with instant bond & non-migrating properties, due to which the long term durability is better. It is mainly used for B.O.P.P. Packaging Tapes / OPP carton sealing tape making.

It gives peel strength of min 500 – max 750 gm/inch at 30°C after application on BOPP film (18 – 25 micron coating) and shear more than 400 min (dry weight)

TYPE	:	Water based Emulsion
CHEMICAL COMPOSITION	:	Synthetic Acrylic Resin Emulsion
PHYSICAL PROPERTIES		
Appearance	:	Milky White Emulsion
% Solid content	:	55 ± 1
Viscosity at 30°C by ford cup B4 Size	:	18 – 24 sec
pH	:	8 to 10
Tack (Rolling ball method) application on BOPP film (18-25 micron coating)	:	4 to 7 cm
TYPE OF APPLICATORS	:	It being a low viscosity emulsion, the best coating method will be roller coating with a Mayer bar to control the coating weight. Alternately an air knife can also be used. The product can also be thickened and coated by reverse roller or comma coating method.
SUGGESTED USES	:	BOPP Self-Adhesive Tapes/ Jumbo Rolls, Holograms, Inner lining of suitcase and soft leather bags and other related pressure sensitive applications.
PIGMENTED COLOURED PASTE	:	Our Bond[®]EX range of pigmented colored paste is recommended for imparting opacity & required color tint to Bond[®]EX A-117 . Our brown colored series Bond[®]EX BR is very popular & almost more than 50 tinting varieties are available.
HANDLING & STORAGE	:	Store in sealed containers in dry condition at temperatures between 15-30°C, away from direct heat, sunlight, dust and moisture. Protect from frost. Containers once opened should be shut tightly to prevent contamination. Stocks should be used on a first in, first out basis. Do not mix with other products without consulting us / doing your own test to determine its suitability, as it can lead to incompatibility and other related problems.
PACKING	:	220 Kg HDPE Drums



NATIONAL ADHESIVES & POLYMERS

NONWOVENS & FILM COATINGS

PRODUCT CATALOGUE

PRODUCT	TYPE	SOLIDS %	VISCOSITY CPS.	TG °C	RECOMMENDED PROPERTIES
ENCRYL 9 GM VXL	Pure Acrylic	55 ± 1	500-1000		PVC/ Bopp/ Polyester film coatings , excellent for roller applications
✓ ENCRYL 619	Pure Acrylic	48 + 1	500 – 1000		Excellent Coating for Protective Tapes.
ENCRYL 749	Pure Acrylic	48 ± 1	500 – 1000		For Nonwoven Fabrics, suited for Durable & Disposable Applications such as Nonwovens for Hospital. Medical End use & Household Furnishing
ENCRYL 820	Crosslink Co-polymer	46 ± 1	500-1000		Excellent Durability & All Round Performance for Nonwovens.

We offer the above products in various quantity packages such as

- 20 kg CANS
- 50 kg CARBUOYS
- 220 KG BARRELS

For pricing and other product related queries, Please contact us at the below mentioned numbers:

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Curing Agent X7

(Provisional)

Description

CURING AGENT X7 is polyfunctional aziridine utilized as a cross-linking agent and adhesion promoter. It's a clear, amber liquid. It is miscible in water and many common organic solvents.

Chemical name:

Pentaerythritol-Tris-(B-Aziridiny)Propionate

CAS Number: 57116-45-7

Application

CURING AGENT X7 can be used in both aqueous and solvent systems as cross-linker. It contains three aziridine groups, which can react with active H⁺, as found in the carboxyl groups of acrylic emulsions and polyurethane dispersions. This reaction protonates and opens the aziridine ring, which then reacts with oxygen of the carboxyl groups forming a cross-link network.

It imparts strength and flexibility, improves solvent resistance, alcohol and water resistance, increases hardness, upgrades adhesion to difficult substrates and decrease "blocking" effect.

Technical Specifications

Method of analysis	MU	Standard
15. Appearance		Clear to slight color
54. Viscosity	Sec.	< 4,000
- Ethyleneimine Content	ppm	< 10
- Aziridine Content	meg/g	6.35 - 7

Handling

CURING AGENT X7 must be added to finish formulated coating just prior to use. The aziridine is added slowly and with a good agitation till complete homogeneity. It can be prediluted in alkaline water to help the dispersion. It is really important to check the pH of the aqueous system before the addition, because the best results are obtained at pH>9. A lower pH may cause the aziridine to react prematurely in the pot.

The level of aziridine to add to the formulated system will depend on the coating system and the desired properties of the coating film. Most applications find use levels between 0.2% and 1.5% on wet weight. Tests on the cross-linking effect must be run after 24 hours from the coating. Pot-life after addition is about 18-36 hours if the pH is over 9.

Packing

The product is supplied in iron drums (10 kg); iron drums (200 kg); IBC containers (1000 kg).

Storing

CURING AGENT X7 must be stored at temperature between +5° and +30°C, away from acids and oxidizers. Store in a cool, dry, well ventilated storage area and in closed containers. Protect material from freezing. The shelf life is approximately 24 months from date of manufacture when stored in closed original containers at 25°C.

Use within 12 months from the date of manufacture (unopened and in the original packaging).