



CHEMICAL DESCRIPTION

Apcotex XNB 900 is a carboxylated butadiene-acrylonitrile copolymer latex used for making fabric supported industrial gloves.

It is manufactured by employing state-of-the-art emulsion polymerization technology ensuring product consistency.

ADVANTAGES

- Excellent for seamless and cut & sewn gloves.
- **Excellent abrasion resistance.**
- Fast gelling for good productivity.
- Low thickener demand in compound.
- Excellent compound stability
- **Glossy Appearance.**

PRODUCT SPECIFICATIONS

Appearance	Milky white pourable emulsion
Emulsifying System	Synthetic anionic
Total Solids (%)	45.0 ±1.0
pH at 25°C	8.0 ±1.0
Brookfield ViscosityDV (CPS) SP 1, 60 RPM at 25°C	100 Max
Surface Tension (Dynes/cm) at 25°C	34.0 ± 3.0
Acrylonitrile Content	Medium
Antioxidant	Yes

STORAGE RECOMMENDATION

- Store between temperatures of + 5°C and 35°C.Keep
- containers closed when not in use.
- Protect from freezing and direct exposure to sunlight.

GUIDELINE FORMULATION & PROCESS PARAMETER FOR NITRILE SUPPORTED GLOVES

COMPOUNDED LATEX PROPERTIES

1. pH - 8.5 - 9.0.
2. **% N.V.M.- 45%.**
3. Stirring 24 hours (slow agitation).

Chemical	Phr
Nitrile Latex	100
KOH (3%)	As required
Sulphur	1.0
Zinc Oxide	3.0
ZDBC	1.0
TiO ₂	1.0
PVA (10%)	0.1 - 0.4

For further information, call + 91 22277 70800

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Apcotex Industries Limited
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Plant 1
Taloja – Plot No.3/1, MIDC
Industrial Area, Taloja-410208

Plant 2
Valia - Village Dungri,
Taluka-Valia, Ankleshwar-393135

Disclaimer : These suggestions and data are based on the information that we believe to be reliable. They are given for the information only and in good faith, but conditions and methods of use of our product are beyond our control. Apcotex recommends that the user determine the suitability of our material and suggestions before using them for a commercial scale.



PROCESS PARAMETERS AND DIPPING

Sl. No.	Steps	Parameters	Conditions
1	Fabric liner wearing in former	Former Temperature	Ambient
2	Finger dipping in latex compound	Dwell Time	2 - 4 sec
3	Dripping excess compound	Time	2 min
4	Full dip (Palm dipping in latex compound)	Dwell Time	2 - 4 sec
5	Dripping excess compound	Time	5 - 10 min
6	Coagulant dipping	Coagulant Temp.	Ambient
		Dwell Time	5 sec
7	Drying - 1	Temperature	80°C
		Time	20 min
8	Drying - 2	Temperature	110°C
		Time	25 min
9	Curing	Temperature	125°C
		Time	30 min
10	Stripping	Temperature	Ambient

APPLICATION PROPERTIES FOR SUPPORTED GLOVES

						Heavy	Medium
Levels	1	2	3	4	5	Levels	Levels
Abrasion resistance (Cycles)	100	500	2000	8000	N/A	4	4
Cut resistance (Index)	1.2	2.5	5	10	20	2	2
Tear resistance (Newton)	10	25	50	70	N/A	2	1
Puncture resistance (Newton)	20	60	100	150	N/A	2	1

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