



CHEMICAL DESCRIPTION

Apcotex XNB 600 is a carboxylated butadiene-acrylonitrile copolymer latex used for making unsupported industrial and household gloves by coagulant dipping process.

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

ADVANTAGES

- Excellent for making flock line industrial gloves.
- Good tensile strength with flexibility.
- High resistance against chemicals and oils.
- Fast gelling for good productivity.
- Excellent compound stability.

PRODUCT SPECIFICATIONS

Appearance	Milky white pourable emulsion
Emulsifying System	Synthetic anionic
Total Solids (%)	44.0 ± 1.0
pH at 25°C	8.0 ± 1.0
Brookfield Viscosity DV (CPS) SP.1, 60 RPM at 25°C	100 Max
Surface Tension (Dynes/cm) at 25°C	40.0 ± 3.0
Acrylonitrile Content	High
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 UNSUPPORTED GLOVES FOR HOUSEHOLD AND INDUSTRY

COMPOUNDED LATEX PROPERTIES

1. pH - 9.5 - 9.8.
2. % N.V.M.- 38 - 40 %.
3. Stirring 24 hours (slow agitation).

Chemical	Phr
Nitrile Latex	100
KOH (3%)	0.9
Sulphur	1.0
Zinc Oxide	2.0
ZDBC	1.0
TiO ₂	1.2

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

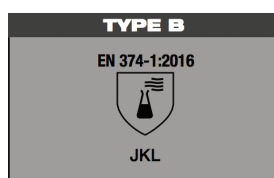
Disclaimer : These suggestions and data are based on the information that we believe to be reliable. They are given for the information only and in good faith, but conditions and methods of use of our product are beyond our control. Apcotex recommends that the user determine the suitability of our material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

PROCESS PARAMETERS AND DIPPING PROCEDURE

Sl. No.	Steps	Parameters	Conditions
1	Former Conditioning	Oven Temperature	80°C
2	Coagulant Dipping (40 % Calcium nitrate)	Coagulant Temperature	60°C
		Dwell Time	12 sec
3	Drying	Oven Temperature	80°C
		Time	3 min
4	Latex Dipping-1	Dwell Time (1st Dipping)	20 sec
5	Drying	Temperature	80°C
		Time	3 min
6	Pre-Leaching	Temperature	60°C
		Time	1 min
7	Coagulant Dipping (40 % Calcium nitrate)	Coagulant Temperature	60°C
		Dwell Time	12 sec.
8	Drying	Oven Temperature	80°C
		Time	3 min
9	Latex Dipping-2	Dwell Time (2 st Dipping)	20 sec
10	Drying	Temperature	80°C
		Time	3 min
11	Pre-Leaching	Temperature	60°C
		Time	1 min
12	Curing	Temperature	120°C
		Time	30 min
13	Post Leaching	Temperature	60°C
		Time	1 min
14	Stripping	Temperature	Ambient

CHEMICAL RESISTANCE OF GLOVES

Solvent	Time in minutes
n-Heptane (J)	350
40 % NaOH (K)	360
Conc. H ₂ SO ₄ (L)	85



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