Apcotex XNB 500

TECHNICAL DATA SHEET

apcotex
Bonds Beyond Chemistry

CHEMICAL DESCRIPTION

Apcotex XNB 500 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.
- Provide high abrasion resistance.
- Fast gelling for good productivity.
- Low thickener demand in compound.
- 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	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.- 44%.
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

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PROCESS PARAMETERS AND DIPPING PROCEDURE

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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