

Technical - Information

AVCO-SOFT PE

POLYETHYLENE SOFTENER FOR RESIN FINISHING

AVCO-SOFT PE is a nonionic Polyethylene emulsion. It is an excellent resin plasticizer, fibre lubricant and softener, and adds drape to fabrics treated with thermosetting resins (Glyoxal, UF, Melamine and PVA resins).

SPECIFICATION:

Appearance	Slightly beige opalescent liquid.
Chemical nature	Polyethylene emulsion.
Ionicity	Nonionic.
Solubility	Can be mixed with water at any ratio.
pH (as is)	9.0 ± 0.5
Compatibility	Good with chemicals used in resin finishing.
Storage	Sensitive to frost. Store in closed drums. When properly stored, stable for at least 12 months.

PROPERTIES & USES:

1. In wash and wear resin finishing, AVCO-SOFT PE improves abrasion resistance, improves sew-ability and lower the reduction of fabric strength while using resin finishing agents.
2. AVCO-SOFT PE possesses good durability against repeated washing.
3. No adverse effects on rubbing and light fastness of dyed and printed fabrics.
4. AVCO-SOFT PE is recommended for finishing cotton, viscose, polyester, polyamide, polyester-cotton and other blends, for all kinds of wash and wear, permanent- press and dimensional stability finish of fabrics.

APPLICATION:

AVCO-SOFT PE is applied by padding method. AVCO-SOFT PE is added to the finishing bath after the resin, but before the catalyst has been added. Generally a concentration of 20 - 40 gr/l, depending on the pick-up, will be sufficient.

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FINISHING RECIPES:

1. Cotton fabrics: (crease resistant finish)

AVCO-REZ LFR	60 - 120	gr/l
Magnezium chloride	9 - 18	gr/l
AVCO-SOFT PE	20 - 30	gr/l

2. Rayon filament: (crease resistant finish)

AVCO-REZ LFR	100 - 200	gr/l
Magnezium chloride	15 - 30	gr/l
AVCO-SOFT PE	30 - 40	gr/l

3. Poly-Cotton Fabric: (to lower pilling)

AVCO-REZ LFR	60 - 90	gr/l
Magnezium chloride	9 - 15	gr/l
AVCO-ELASTOGUM MEC 200	10 - 20	gr/l
AVCO-SOFT PE	20 - 30	gr/l

4. Cotton Knits: (to improve dimensional stability)

AVCO-REZ LFR	40 - 60	gr/l
Magnezium chloride	6 - 9	gr/l
AVCO-ELASTOSIL 1880 ECO	10 - 20	gr/l
AVCO-SOFT PE	20 - 30	gr/l