

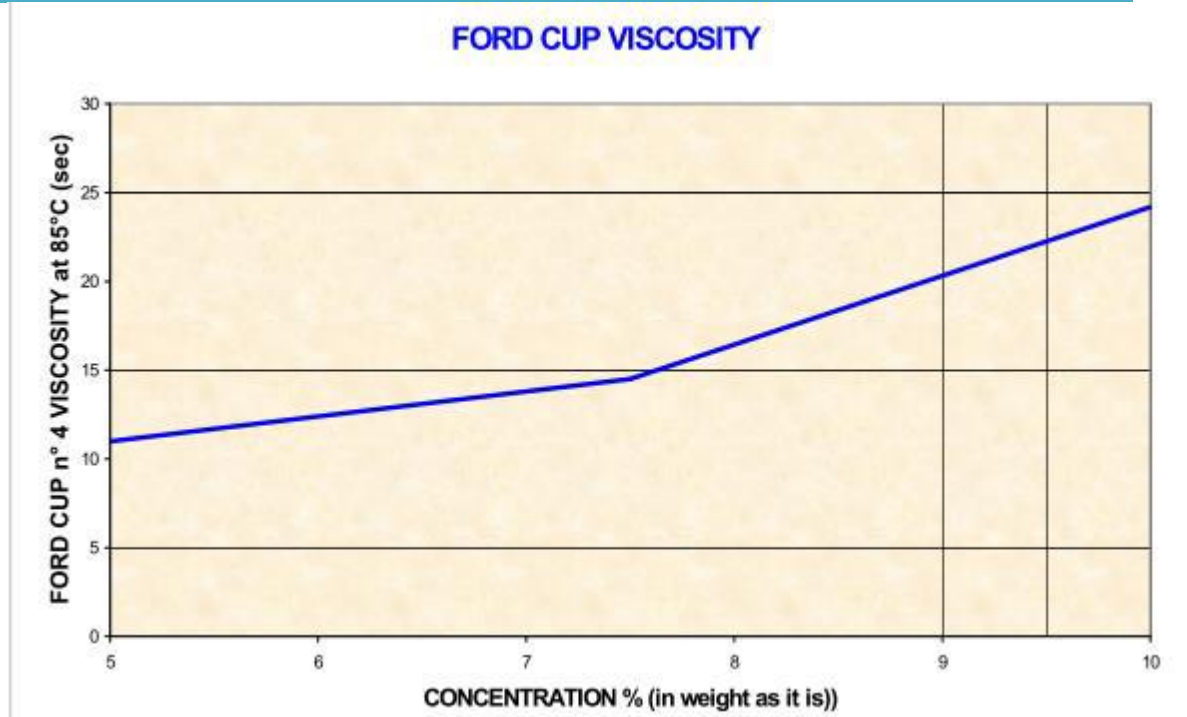
TECHNICAL INFORMATION

Neosize ST1

Sizing agent used for Cotton, polyester, viscon, wool and their blends

PROPERTIES

Appearance	Powder
Structure	Mixture of natural and synthetic polymers
pH	neutral
Solubility	Miscible with cold and warm water in all proportions
Viscosity (at 85C,10% soln.)	~16 - 22 sec (Fordcup 4) ~40 - 90 cps (Brookfield)



CONTENT OF APPLICATION

Neosize ST1 developed sizing agent used for Cotton, Polyester, Viscose fabrics and their blends sizing processes.

Neosize ST1 is used for 60/1 and thinner yarns

Neosize ST1 is used for staple fibers

Neosize ST 1 is mixture of natural and synthetic polymers and auxiliaries such as natural based defoaming agent and waxes.

Neosize ST1 solution is stable and homogenous mixture that has a strong sizing effect.

Yarns that sized by Neosize ST1 have high resistance to tensile and friction forces.



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With its elasticity ,Neosize ST1 assures maximum weaving performances.

Neosize ST1 solution is stable and after long time no gels occurs in solution.

1. Scouring of sizing

Neosize ST1 is a polymer that has easily soluble structure in water. .It can be added while mixing cold water.

When adding in warm water,if the mixing rate is insufficient Neosize ST1 could be some clumps in solution may occurs.

Solution must continuously stirs and scours at range of 95-97 oC . Also according to operating machine solution should be stirs approxiametly 20-30 minutes continuously. If foaming effect is higher than acceptable amount silicone -free defoaming agent can be used however Neosize ST1 include defoaming agent.

Recommended precautions;

Avoid ineffective mixing with low capacity mixers.

If defoaming agent addition needed; add with sizing agent

If Neosize ST 1 solution keep up higher than 24 hours, antibacterial agent addition is required.

Usage Amount:

Sizing recipes could be vary according to quality of yarns, warp numbers; weaving type, and type of machine used in .

Yarn	Ne	Nm	Tex	Product kgx 100 lt first solution
Polyester/cotton 65/35	20	34	30	6-8
	30	50	20	7-9
	40	68	15	10-11
	50	85	12	11-12
Polyester/wool 55-45	16	27	36	7-8
	34	60	17	10-12
Viscon/Tencel	20	34	30	4-5
	30	50	20	5-6
	40	68	15	7-8
	50	85	12	8-9

Removing of Neosize ST1 from fabrics, at 85-95 °C standard washing without enzymes is sufficient. Hence addition of 2 g/l soda ash in the washing bath ,increase the desizing effect. Also overflow washing is recommended.

PRECAUTIONS

Storage: Shelf life of prodct is 12 months that kept in closed original package and away from humidity.

Packaging :Neosize ST1 packed in 25kg Kraft bags and 1000 kg wrapped pallets.

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