D-072

FABRIC SOFTENER

6% CONCENTRATION

GUIDELINE FORMULARY

DESCRIPTION

Domestric fabric softener
Ecological and biodegradable product
Good rewet ability
Anti-static effect, specially on synthetic fabrics
Process temperature between 35°C and 40°C

COMPOSITION	%
TETRANYL® AT-7590	**6.7**
Dye(s)	1.7
KAO Fragrance	**0.3**
Preservative	0.1
Deionized Water	Up to 100

TECHNICAL CHARACTERISTICS		Kao Method
APPEARANCE (20°C):	Opaque viscous liquid	KCSA-258
pH (as it is):	2.5 - 3.0	KCSA-014
VISCOSITY BROOKFIELD (20°C,cP):	500 - 600	KCSA-227
SURFACE ACTIVE CONTENT (%):	Approx. 6	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

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RECOMMENDED OPERATIVE METHOD

Heat up water at 40°C.
Agitation is required along the whole process.
Add TETRANYL® AT-7590 and homogenize during 20' until a complete dispersion.
Add dye(s) to the water and wait until complete homogenization.
Cool down mixture until 30°C.
Add perfume and preservative once the 35°C are reached, stir after each addition until complete homogenization.
If required, final adjustment viscosity by the addition of polymer.
Unload after 15' of stirring.

COMMENTS

Viscosity depends on: Process temperature; Agitation type, time and speed; fragrance (type and quantity).
Dye needs to be compatible with cationic surfactants. Normally blue color is used.
It is always advised to used a preservative (compatible and stable)

COMPONENTS

TETRANYL® AT-7590 (Partially hydrogenated tallow esterquat, ≈ 90% a.m.): cationic character. Product specially advised to obtain low concentrated (≈ 5%) final fabric softeners with suitable viscosity. Ecological product.

Ref.
(Edited April 2017. Updated version July 2020)