



ACRYNOL ART New

Fields of Application	: Levelling agent for dyeing acrylic fibre with cationic dyestuffs.
Composition	: Quaternary ammonium compound
Ionic state	: Cationic
Appearance	: Amber liquid
Stabilities	: Resistant to acids, salts and hard water in normal concentration
Storage life	: Approx. one year. very good resistance to frost and tropical conditions.
Packaging	: Drum, container

PROPERTIES

Acrynol ART New has an affinity for acrylic fibres and prevents too rapid absorption of cationic dyes on the acrylic fibre by occupation of the reactive, anionic groups. Acrynol ART New has an extremely high retarding effect in the range of the heating phase, which is maintained for an extended period even after the final dyeing temperature. Unlevelness caused by fluctuation of temperature in the dyeing apparatus during the heating phase and by a too rapid exhaustion at the final dyeing temperature is thereby avoided.

Acrynol ART New is also suitable for the usual rapid dyeing methods.

APPLICATION

On account of its high effectiveness during the dyeing of acrylic fibre, Acrynol ART New can be highly recommended for loose stock, tops, continuous and high bulk yarns, hanks, woven and knitted goods.

METHOD OF APPLICATION

Colouristic data of Acrynol ART New

Saturation factor (f) = 0.50
Saturation value (S) = 4.2 %
(for a fibre summation number of 2.1)

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DYESTUFF, CHEMICAL AND MODIFIED STARCH

Optimum amount of Acrynol ART New to be applied depends on the type of acrylic fibre and the dyes used. The following tables give practical suggestions:

1. Acrylic fibres having a high rate of strike (e.g. Toraylon, Beslon, Exlan DK)

Up to 0.1%	dyestuff	ACRYNOL ART New	4.0 – 3.5 %
0.1 – 0.5 %	dyestuff	ACRYNOL ART New	3.5 – 3.0 %
0.5 – 1.0 %	dyestuff	ACRYNOL ART New	3.0 – 2.5 %
1.0 – 2.0 %	dyestuff	ACRYNOL ART New	2.5 – 2.0 %
2.0 – 4.0 %	dyestuff	ACRYNOL ART New	2.0 – 1.5 %

2. Acrylic fibres having a normal/medium rate of strike (e.g. Dralon, Orlon, Vonnell etc.)

Up to 0.1%	dyestuff	ACRYNOL ART New	3.0 – 2.5 %
0.1 – 0.5 %	dyestuff	ACRYNOL ART New	2.5 – 2.0 %
0.5 – 1.0 %	dyestuff	ACRYNOL ART New	2.0 – 1.5 %
1.0 – 2.0 %	dyestuff	ACRYNOL ART New	1.5 – 1.0 %
2.0 – 4.0 %	dyestuff	ACRYNOL ART New	1.0 – 0.5 %

The prementioned amounts refer to the usual working process :

1 – 3 %	acetic acid
5 – 10 %	sodium sulphate, anhyd
x %	dyestuff
y %	ACRYNOL ART New

Whilst every care has been taken to ensure the accuracy of the information contained in this publication, no warranty or liability will be accepted as the conditions of usage are beyond our control.

Our Technical Service Department is always willing to assist customers in preparing formulae to suit their specific requirements. Process information submitted by our customers will be treated in confidence.

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