NOVACRON® Brilliant Turquoise EC-GN

Brilliant Turquoise with good wash-off properties and high light fastness

HUNTSMAN
Enriching lives through innovation

Exhaust dyeing on CO bleached

Uses

Exhaust dyeing	
OEKO-TEX® 100 label	■
HT cross-dyeing PES/CEL	■
post-bleaching	–
post-mercerizing	□
neutral discharges	–
alkaline discharges	–

Key:
■ very good ◨ good □ moderate — not recommended

Dyeing Properties

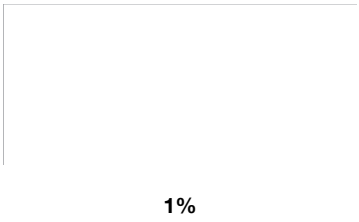
Solubility	+ Na_2SO_4	g/l	–	60	60
	+ Soda ash	g/l	–	–	20
30°C		g/l	100	30	30
70°C		g/l	100	30	30

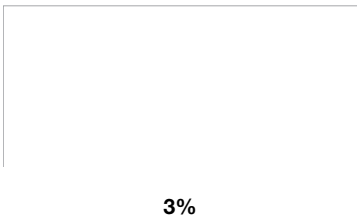
Final exhaustion	82%
Final fixation	58%
Washing-off properties	□
Coverage of dead cotton	◨
Coverage of the barriness of viscose	◨

Influence of liquor ratio	6:1	8:1	10:1
Yield	100	100	95

Influence of salt addition	– 10%	normal	+ 10%
Yield	95	100	104

Stripping methods	
Most suitable stripping method	AB, BA
Suitable stripping methods	B
Partial stripping	35%





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Fastness Properties

Xenon light fastness		
1/25 SD	Ch	4
1/12 SD	Ch	4–5
1/6 SD	Ch	4–5
1/3 SD	Ch	5
1/1 SD	Ch	5–6
2/1 SD	Ch	–

Artificial light		
TL 84	Ch	W Br
Tungsten	Ch	GG
CWF	Ch	W Br

Wet fastness			
Washing	**Ch**	**CO**	**CV**
60°C, C1S 1x	5	4	4–5
60°C, C1S 5x	4–5	4	5
95°C, E1S 1x	4	4	4–5
Peroxide wash, 95°C, E2S	4	4	4–5
Ox. bleach damage M&S C10A	4–5	–	–

	Ch	CO	WO
Water	5	5	5
Sea water	5	5	5
Chlorinated water, 20 mg/l	2–3 G	–	–
Perspiration, alkaline	5	5	5
Perspiration, acid	5	5	5

Process Robustness

During dyeing	
Reduction	■
Cu ions in the dyebath	◨
Fe ions in the dyebath	◨
Chlorine in process water	–

During cationic aftertreatment	
Shade change	□
Reduced light fastness	◨

During drying (shade change)		
Residual alkali		■
Residual acid		◨
Residual hardness salts		◨
Gas-heated dryers (nitrogen oxides)		■
Hot pressing	immediately	–
Hot pressing	after 4 hours	■

During finishing	
Shade change with	MU
Reduced light fastness with	MU, MM, Flame retardant

Key:

■ not sensitive ◨ slightly sensitive □ moderately sensitive — highly sensitive