

Segenol Black GDNN



- Reactive black with bluish tone.
- Dischargeable

Substrate Suitability

Cotton	S
Viscose	S
Polyester / Cotton Blend	S
Polyester / Viscose Blend	S
Cotton / Elastane Blends	S

Application method:

Exhaust dyeing:

Dyeing Temperature	60°C
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Continuous dyeing

	Cold Pad Batch	S
	Pad-Dry-Pad-Steam	S
	E-Control	S
	Pad Steam	S
	Pad-Dry-Thermofix	S

General properties:

Dischargeability:	D	
Solubility neutral (gpl) :	150gpl	
Solubility with 50g/l G. Salt at 50 ⁰ C :	100 gpl	
Alkali Stability	ASS	Stable
	PLS	Stable
Substantivity	Medium	
Fixation Value	75.34%	
Reactivity	Medium	

Remarks:-

(Abbreviation: S-Suitable, NS - Not Suitable,

ASS - Alkali + Salt + Stability

PLS - Pad Liquor Stability.

R - Redder,

G - Greener,

RR- Much Redder

Exhaust Dyeing on 100% Cotton interlock knit fabric

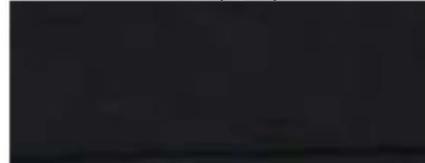
1.50%(1/2)



3.00%(1/1)



6.00%(2/1)



Cold pad-batch on mercerised cotton Poplin

15g/l



30 g/l

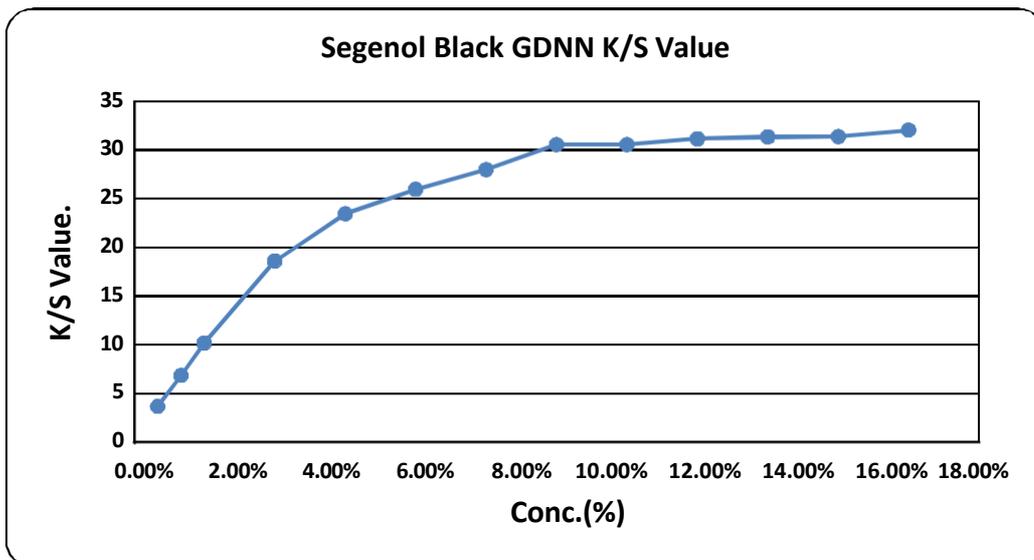


60 g/l

Fastness Properties:

Light fastness	2/1.	1/1.					
Light fastness (ISO 105 B02)- Upto grade 6	6	4 --5					
Light fastness (AATCC 16, Option 3) 20 AFU	4.5	4					
Light fastness (AATCC 16, Option 3) 40 AFU	4	3.5					
Perspiration light fastness (acidic) (Nike Method)	NA						
Perspiration light fastness (alkaline)(Nike Method)	4.5	4.5					
Wash &Wet fastness properties	CS	CA	CO	PA	PES	PAN	WO
Wash fastness (ISO 105 C06, C2S,)	4	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5
Wash fastness (ISO 105 C10 C3, 60 ⁰ C)	4	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5
Wash fastness (AATCC 61 Option 2A,49 ⁰ c,)	4	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5
Water severeM&S,C6	4--5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5
Drycleaning M&S,C-5	4	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5
Fastness to Oxidative bleach M&S C-10A	4-- 5 On tone						
Perspiration fastness (M&S C7,Acid)	4--5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5
Perspiration fastness (M&S C7,Alkaline)	4--5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5	4-- 5
Fastness to Chlorinated water (ISO 105 E03) (20 ppm)	4--5						
Fastness to Hot pressing ISO 105 X-11-T (immediate)	4-- 5/4-- 5						
Fastness to Hot pressing ISO 105 X-11-T (after 4hrs)	4-- 5/4-- 5						
Fastness to Burnt gas fumes (ISO 105 G02:1993) (1 &3 cycles)	4						
Crocking Fastness (ISO 105 X12, Dry/Wet)	4-- 5/3						
Hypochlorite bleaching ISO 105 N01 : 1993	3--4						
Fastness to Peroxide bleaching ISO 105 N02:1993	4--5						
Shadechange after Resin finish.	Greener Bluer.						

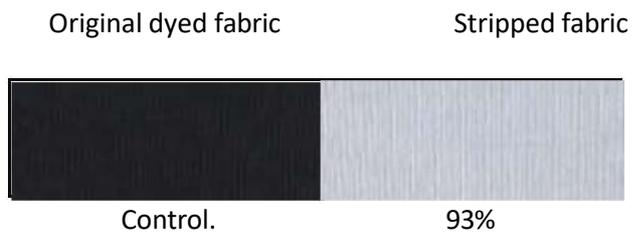
Build up property (Cotton Knits Interlock
Un-mercerised bleached fabric)



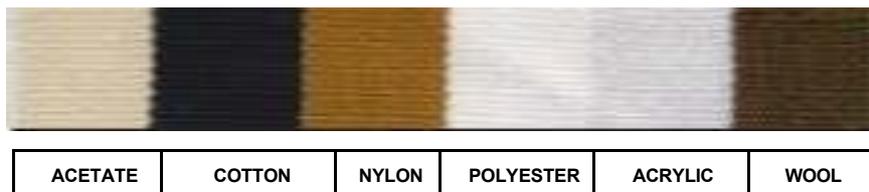
% Stripping with recommended Recipe : Stripping Method :

Caustic Soda 32.5%	10.-15	ml/l
Hydrosuphite Conc	5	g/l

Heat from 60⁰C to 90⁰C in 15 min. hold for 30 min. at 90⁰C, then rinse neutralisation with Acidic acid (pH 5.5) at Room Temp followed by warm and cold wash



Cross staining on other components of blends in one bath dyeing :



(This information provided is in good faith, to the best of our knowledge and without liabilities)