

RYLAN BLACK R

Illustration on wool / on polyamide



Characteristic

C. I.	Acid Black 194
CAS No.	57693-14-8
Chemical Class	Metal complex azodye

Properties

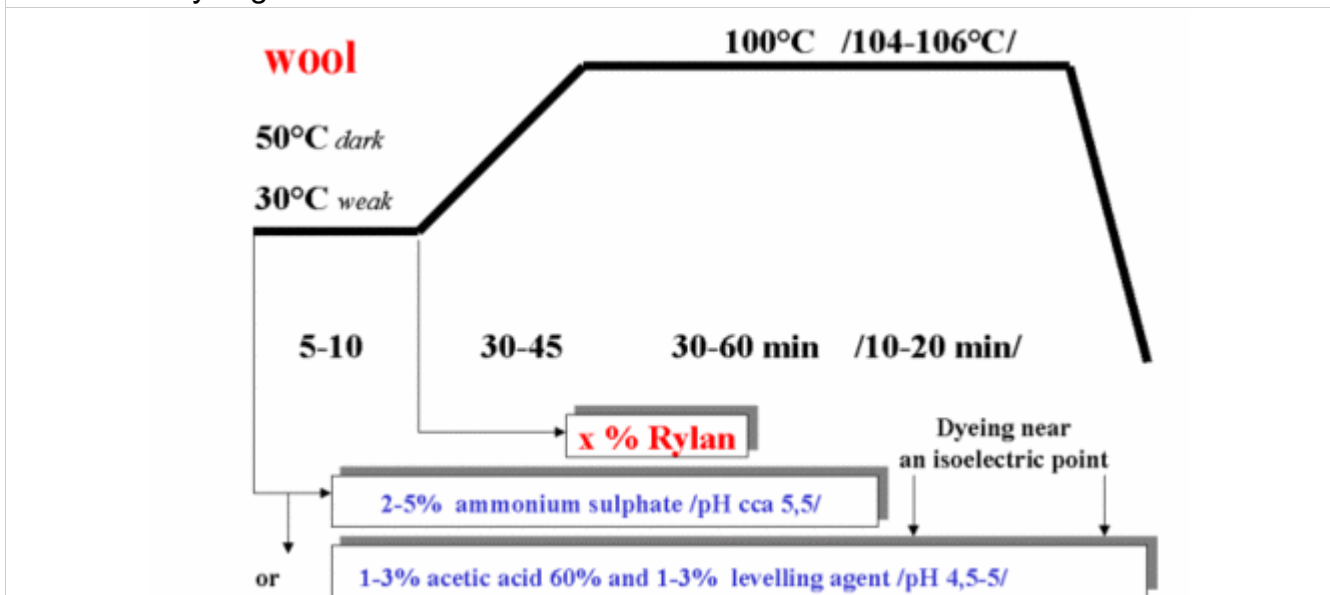
Solubility (g/l at 25°C)	70
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Fastness	wool						polyamide	
	1/25	1/12	1/6	1/3	1/1	2/1	1/1	2/1
<i>standard depth</i>								
Light Xenotest					7-8		6-7	7-8
wool								
<i>standard depth</i>	1/1							
Water	4-5		4-5		4-5		4-5	
Crabbing	4-5		3		4-5		4-5	
Washing 40°C	4		4-5		4-5		4-5	
Washing 60°C	4		3-4		4-5		4-5	
Perspiration acid	4-5		4-5		4-5		4-5	
Perspiration alkaline	4-5		4		4-5		4-5	
Rubbing dry							4	
Hot pressing wet after 4 h	4-5						4-5	
Milling acid	4		4-5		4-5		4-5	
Milling alkaline	4		3		4-5		4-5	
Crossdyeing neutral	4		1-2		4		4	
Potting	4-5		1		4		4	
Decatizing	4							
Dry cleaning	4							
polyamide								
<i>standard depth</i>	1/1							
Water	4-5		4		4-5		4-5	
Sea water	4-5		4-5		4-5		4-5	
Washing 40°C	4		4-5		4-5		4-5	
Washing 60°C	4		3		4-5		4-5	
Perspiration acid	4-5		4		4-5		4-5	

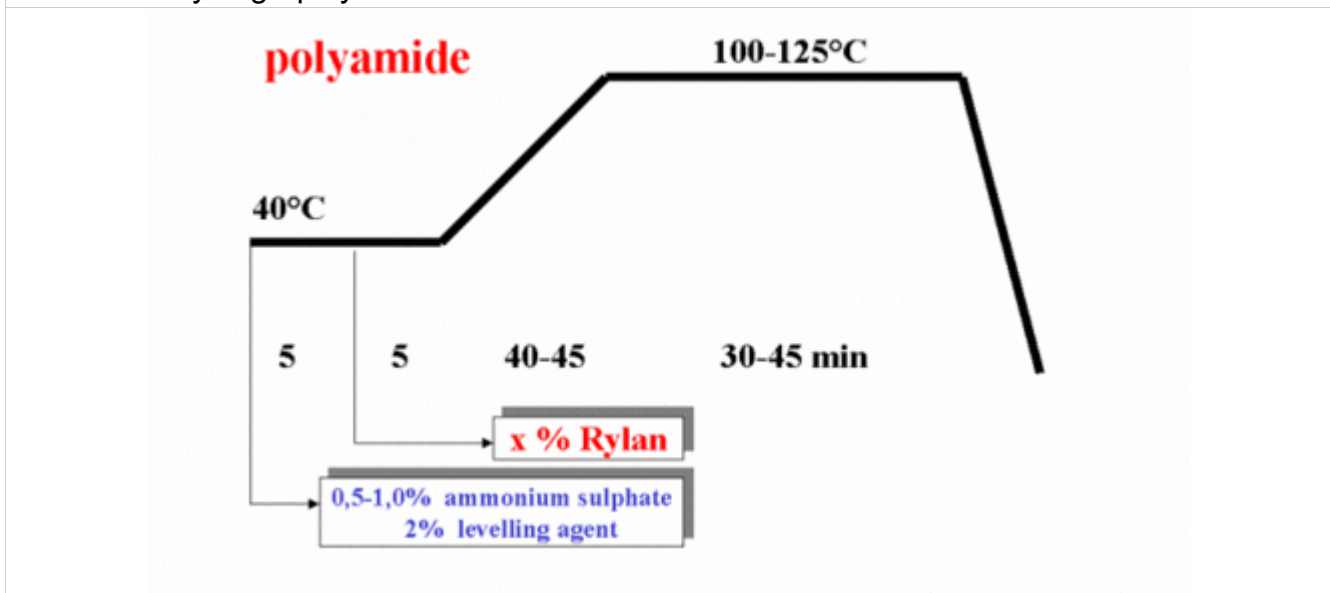
Perspiration alkaline	4-5	4	4-5
Rubbing dry			4-5
Hot pressing wet after 4 h	4	4-5	4-5
Swimming bath water	4		
Dry cleaning	4-5		
Nitrogen oxides	4		
Dry heat 150°C	4-5	4-5	4-5

Application possibilities

Exhaustion dyeing - wool ●



Exhaustion dyeing - polyamide ●



● suitable ◐ partially suitable ○ unsuitable

Testing methods

Light Xenotest	ISO 105-B02-1994
Water	ISO 105-E01-1994
Washing 40°C	ISO 105-C01-1989
Washing 60°C	ISO 105-C03-1989
Sea water	ISO 105-E02-1994
Swimming bath water	ISO 105-E03-1994
Perspiration	ISO 105-E04-1994
Rubbing	ISO 105-X12-1987
Hot pressing	ISO 105-X11-1994
Milling acid	ISO 105-E14-1994
Milling alkaline	ISO 105-E12-1989
Potting	ISO 105-E09-1989
Crabbing	ISO 105-E08-1994
Crossdyeing neutral	ISO 105-X07-1994
Decatizing	ISO 105-E10-1994
Dry cleaning	ISO 105-D01-1993
Nitrogen oxides	ISO 105-G01-1993
Dry heat	ISO 105-P01-1993

The fastness figures in the tables mean:

<i>fastness to light</i>	<i>other fastness propertie</i>
1 – very poor	1 – poor
2 – poor	2 – moderate
3 – moderate	3 – fairly good
4 – fairly good	4 – good
5 – good	5 – very good
6 – very good	
7 – excellent	
8 – unsurpassed	

The letters indicate the following changes in shade:

R - redder	D - duller
Bl - bluer	Br - brighter
Y - yellower	S - stronger
G - greener	W - weaker

The numbers at individual dye fastness data mean:

First number	- change in shade
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Second number	- staining on the undyed adjacent fabric which is of the same material as the tested sample
Third number	- staining on the undyed adjacent fabric