

Illustration on wool / on polyamide



Characteristics

C. I.	Acid Yellow 25
C. I. No.	18835
CAS No.	6359-85-9
Chemical class	Azodye

Properties

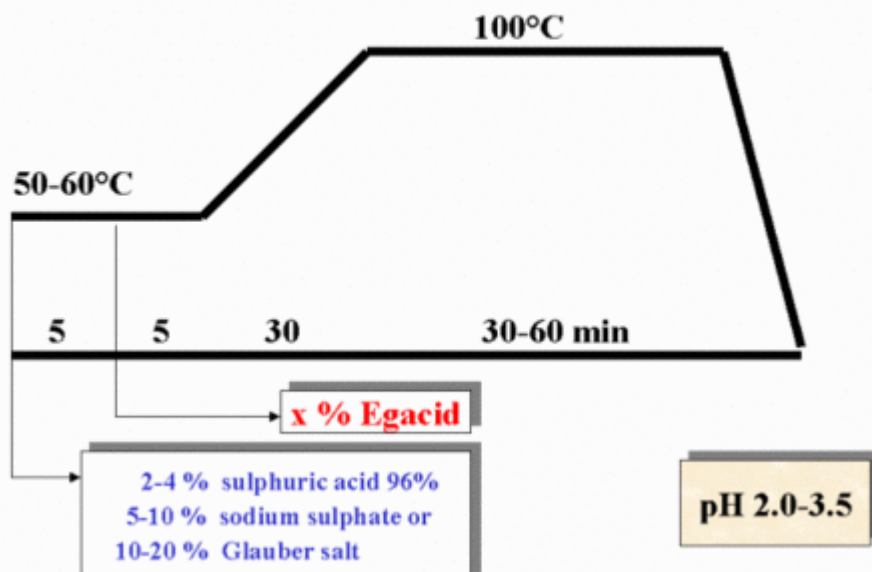
Solubility (g/l at 90°C)	30
Levelling	3-4
Dyeing method - wool	I, II
Dyeing method - polyamide	V

Fastness	wool						polyamide	
standard depth	1/25	1/12	1/6	1/3	1/1	2/1	1/3	1/1
Světlo Xenotest	4D	4D	5D	5D	6D	6-7D	5-6	6
	wool							
standard depth	1/1							
Water	4RD			4-5			4-5	
Washing 40°C	4DW			4-5			4-5	
Perspiration acid	4-5			4-5			4-5	
Perspiration alkaline	4-5			4			4-5	
Sea water	4DW			4-5			4-5	
Hot pressing dry after 4h	4-5							
Rubbing dry							4-5	
Milling alkaline, mild	4DW			4-5			5	
Carbonizing	4-5D			4-5				
Decatizing	5							
Dry cleaning	4-5							
	polyamide							
standard depth	1/1							
Water	4-5			4-5			4-5	
Washing 40°C	4-5			5			5	
Washing 60°C	4			5			5	
Sea water	4			4			4	
Swimming bath water	4							
Hot pressing dry after 4h	4R						5	
Perspiration acid	4-5			4			4	
Perspiration alkaline	4-5			4			4	
Rubbing dry							5	
Nitrogen oxides	4R							
Dry heat 150°C	4-5			5			5	

Application possibilities

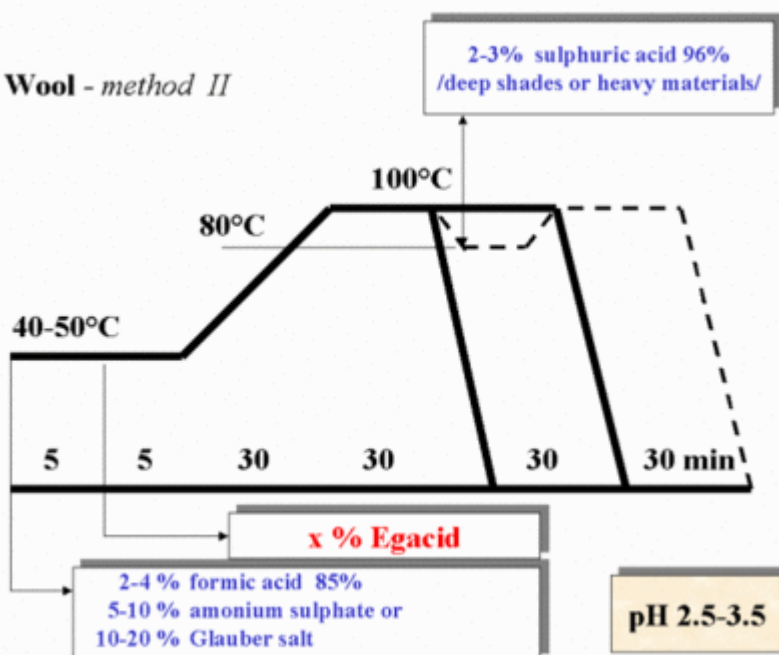
Wool I ●

Wool - method I



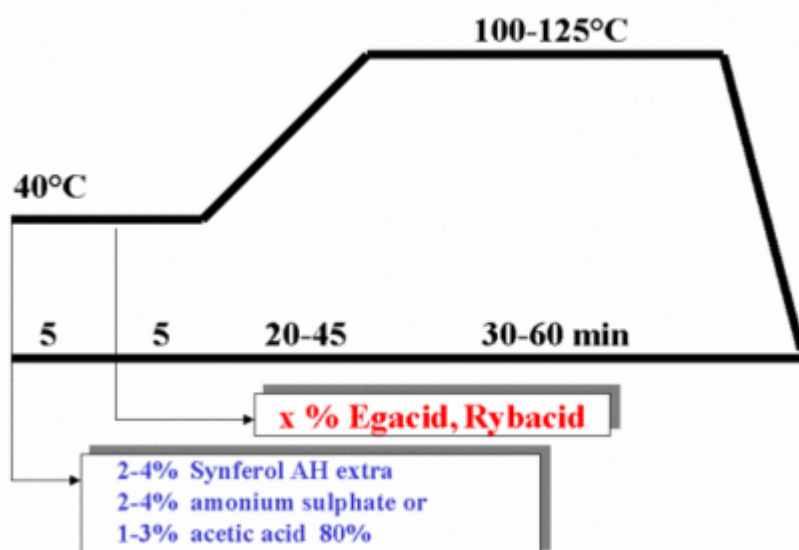
Wool II ●

Wool - method II



Polyamide V ●

Polyamide - method V



● suitable ● partially suitable ○ unsuitable

Testing methods

Solubility

The figures express solubility of dye in grams of dissolved dye in one liter distilled water at 90°C

Levelling

The given figures mean:

- 5 - excellent levelling
- 4 - very good levelling
- 3 - good levelling
- 2 - lower levelling
- 1 - poor levelling

Fastness standards

Light Xenotest	ISO 105-B02-1994
Water	ISO 105-E01-1994
Washing	ISO 105-C03-1989
Perspiration	ISO 105-E04-1994
Sea water	ISO 105-E02-1994
Ironing	ISO 105-X11-1994
Rubbing	ISO 105-X12-1987
Milling	DIN 54 040
Carbonizing	ISO 105-X02-1993
Decatizing	ISO 105-E10-1994
Dry cleaning	ISO 105-D01-1993

The fastness figures in the tables show:

fastness to light	other fastness
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 individual values at fastness data mean:

first number	- change of shade
second number	- staining on undyed adjacent woolen material
third number	- staining on undyed adjacent cotton material

The figures at carbonizing mean:

first number	- change of shade before neutralizing
second number	- change of shade after neutralizing