

Illustration on wool / on polyamide



0,5%

0,4%

Characteristics

C. I.	Acid Yellow 49
CAS No.	52236-73-4
Chemical class	Azodye

Properties

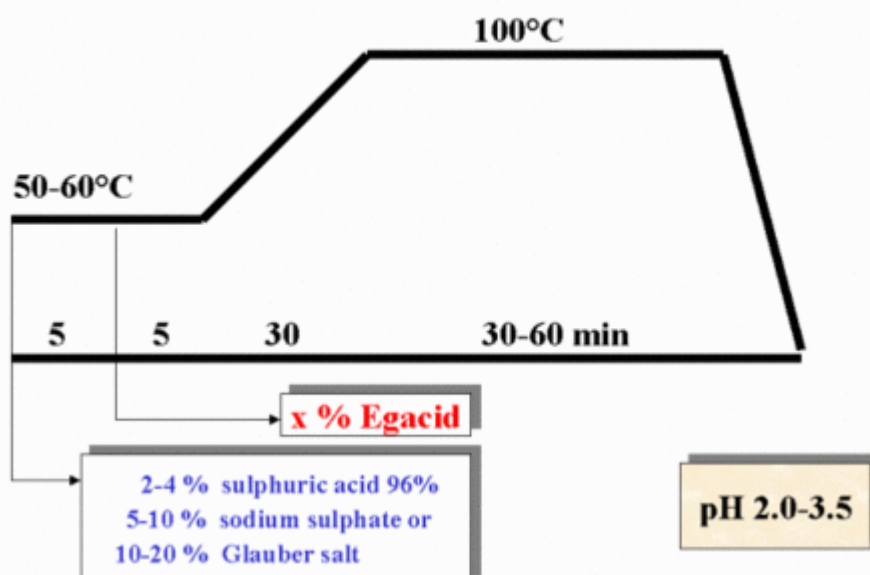
Solubility (g/l at 90°C)	45
Levelling	5
Dyeing method - wool	I, II
Dyeing method - polyamide	V

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

Application possibilities

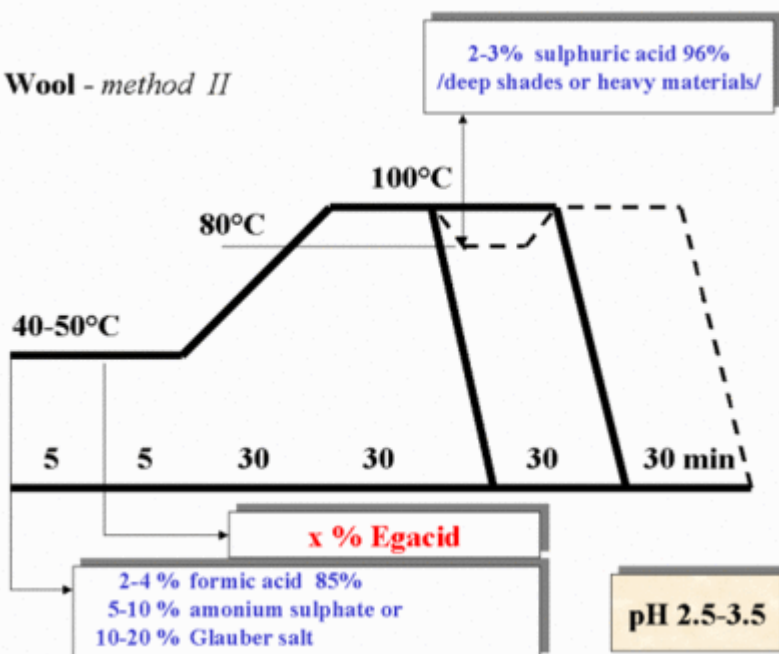
Wool I ●

Wool - method I



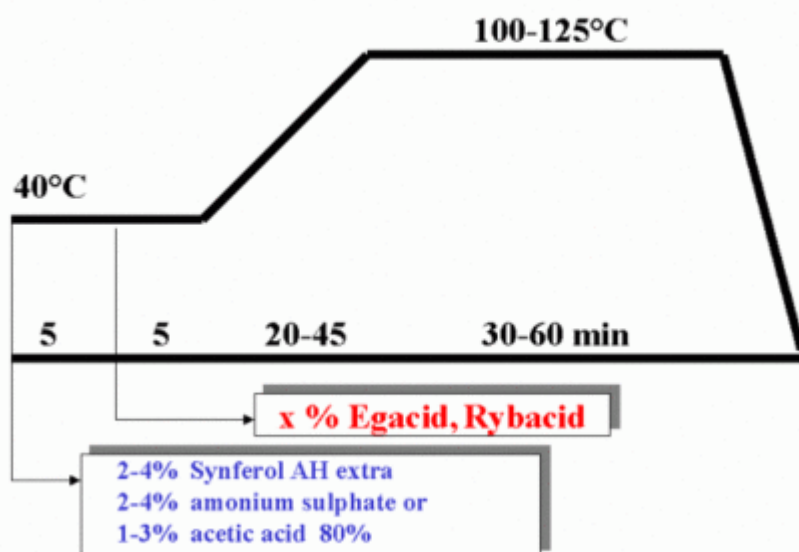
Wool II ●

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