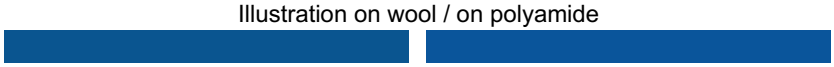
Illustration on wool / on polyamide



0,50% 0,80%

| Characteristics | |
|---|---|
| C. I. | Acid Blue 80 |
| C. I. No. | 61585 |
| CAS No. | 4474-24-2 |
| Chemical class | Anthraquinone dye |

| Properties | |
|---|---|
| Solubility (g/l at 90°C) | 50 |
| Levelling | 4 |
| Dyeing method - wool | III, IV |
| 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 | 4-5 | 5 | 6 | 6-7 | 6 | 6-7 |

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

| Application possibilities |
|---|
| Wool III ● |



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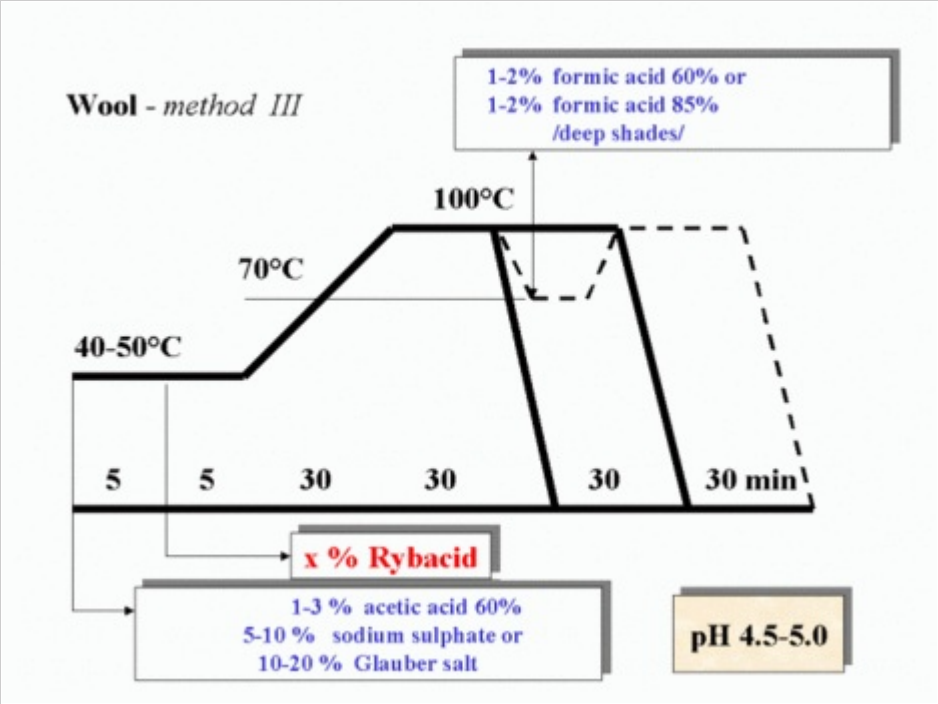
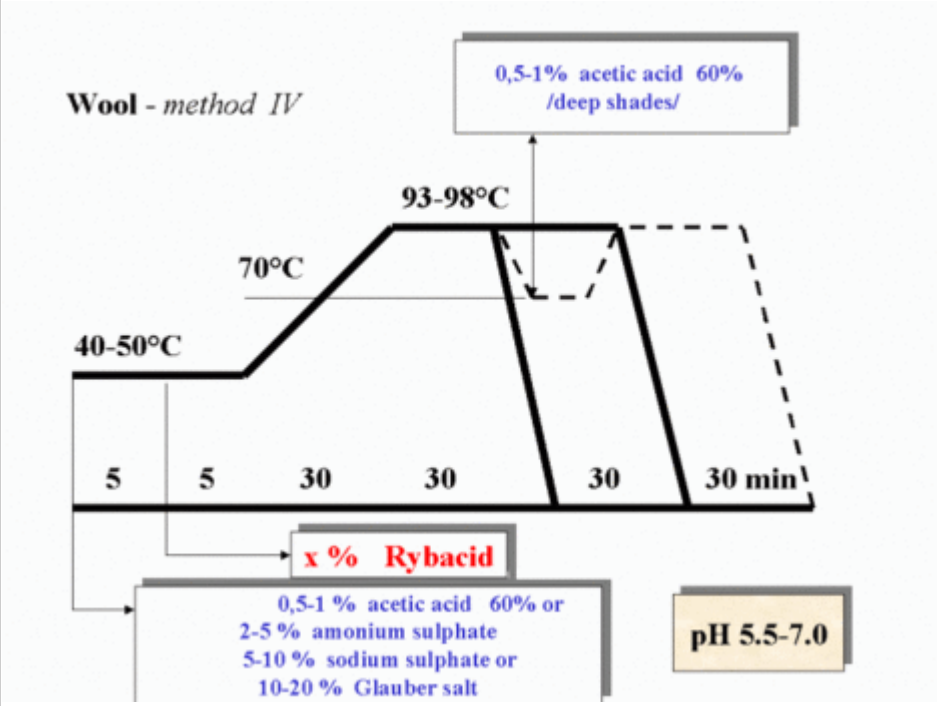



Wool IV ●




Polyamide V ●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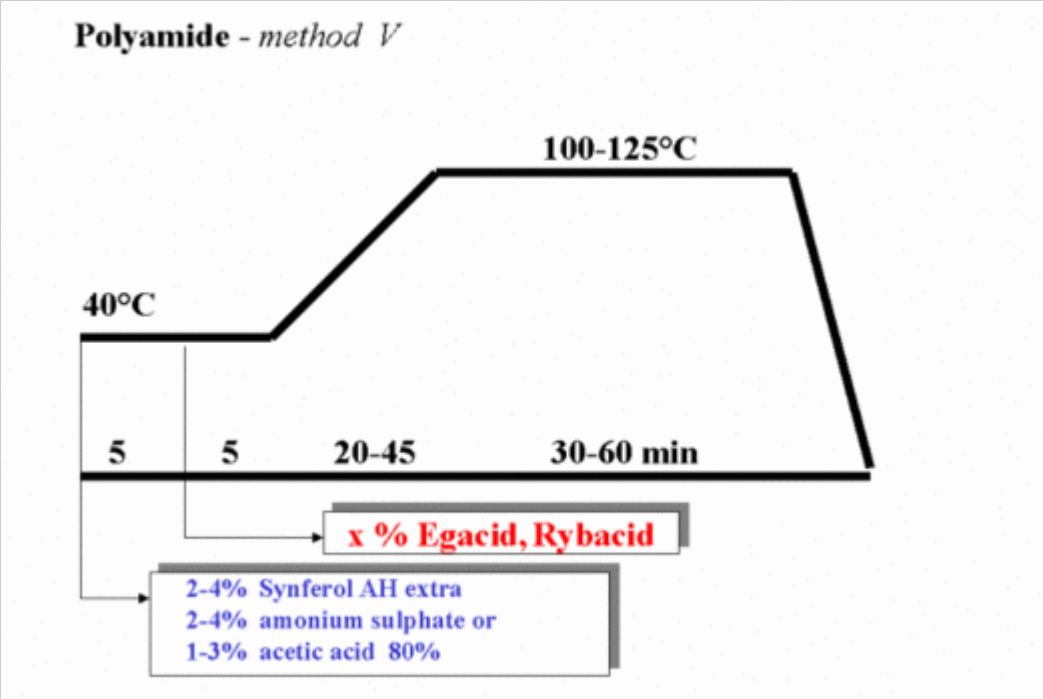


● suitable ◐ partially suitable ○ unsuitable

**Testing methods**



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## 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 |

*At carbonizing the figures mean:*

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


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