THE WOOLMARK COMPANY

WOOLMARK SPECIFICATION

WOOLMARK WOOL CARE GREEN

WASHING MACHINE CYCLE FOR HAND-WASHABLE WOOL PRODUCTS

SPECIFICATION LM-3

Effective 1 November 2026

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WASHING MACHINE CYCLE FOR HAND-WASHABLE WOOL PRODUCTS

Woolmark Wool Care Green

MANDATORY REQUIREMENT

Property	Test method	Pass level
Felting severity – woven (SM12) Felting severity – knit (WSK1 / WKA)	295	Cycle Felting Severity Index (CFSI) ≤ 0.2
Cleansing efficiency	307	Cleansing efficiency for all cycle temperatures > report only for carbon black ≥ 80% blood ≥ 60% chocolate ≥ 80% wine
Wash cycle temperature Machines with a programmed fixed temperature for the Woolmark cycle	–	Water temperature < 42°C Maximum = programmed value +2°C Minimum = programmed value -5°C
Environmental considerations	IEC60456	Energy consumption ≤ 0.23Kwh/kg Total water use ≤ 20L + 20L/Kg Rinsing efficiency ≤ 0.25 meq(alk)/kg Spin wool cycle speed ≥ 800rpm

NOTES

1. Approved machines must have a fixed programmed temperature of 30–40°C for the Woolmark labelled cycle, and the cycle felting severity and cleansing efficiency must be determined at the recommended or required temperature. Machines with no heating or without a recommended program temperature will not be approved for Woolmark Wool Care Green.

2. The machine must have a spin on the final element of the cycle. It is advised that the final spin speed be as high as possible to remove the maximum amount of water. A high final spin speed will not have a negative effect on cycle felting severity.

3. The specification applies only to ‘automatic’ washing machines. Automatic machines are defined as those which only require the user to choose the appropriate approved cycle (program). ‘Semi-automatic’ washing machines that require additional manual processes by the user, such as draining, adding new water to rinse or move the load for the final spin, cannot be approved. Twin tub machines are considered ‘semi-automatic’.

4. For Felting severity - knit, either one of the standard materials (WSK1 or WKA) shall be used for testing. It is not necessary to conduct testing with both standard materials.

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