



THE WOOLMARK COMPANY

WOOLMARK SPECIFICATION

WALL-TO-WALL CARPETS
AND TILES

SPECIFICATION IC-1

Effective 1 January 2016

WOOLMARK SPECIFICATION

SPECIFICATION IC-1: 2016

WALL-TO-WALL CARPETS AND TILES

PRODUCTS

Woolmark and **Woolmark Blend** labelling may be applied to machine-made and hand-tufted cut or loop pile wall-to-wall carpets and tiles (including cut, loop and tip shear products).

Woolmark and **Woolmark Blend labelling** may be applied to flat woven wall-to-wall carpets.

Note: flat woven Woolmark and Woolmark Blend constructions will be accepted only on an individual (case-by-case) basis and only if the Woolmark Management Group is satisfied by testing that the product will perform adequately in use.

The **Wool Blend logo** may not be used.

MANDATORY REQUIREMENTS

Property	Test method	Pass level
Fibre content of pile and/or use surface (%)	155	Woolmark: Pure New Wool (Specification F-1, F-2, F-3 or F-4 as appropriate) Woolmark Blend: 50% new wool (minimum) 50% new non-wool (maximum) (Specification F-5)
Pile density factor (minimum)	216	80 x 10 ³
Tuft/yarn withdrawal force (N: minimum)	202	Woven pile products: 3.5 Tufted products cut pile 10.0 loop pile 20.0.
De-lamination of secondary backing fabric, if applicable (N: minimum)	264	25
Abrasion weight loss (mg/1000 rubs: maximum)	283	Woolmark products: 70 Woolmark Blend products: 45
Change in appearance Hexapod (grade: minimum)	247/251	3
Extractable matter (% maximum)	136	All products: 1.0 Lighter than, or equal to 1/12 standard depth: 0.7 Woolmark Blend including polyester and/or polypropylene: 1.2
Direct soiling test Blends containing polypropylene only	267	Pass
Insect resistance	27 & 28	See Specification CP-4

This table must be read in conjunction with the notes that follow.

NOTES

1. Woolmark TM155: Wool content

Blends may contain the following fibres:

- polyamide
- polyester (only low melt sheath bi-component polyester permitted)
- polypropylene
- other natural fibre.

Products meeting the above requirements but containing non-wool fibres other than those specified above (e.g. containing bi-component polyamide, other bi-component fibres, filament fibres) may be submitted to the Woolmark Management Group for consideration.

For products containing more than one non-wool fibre (e.g. polyamide and polyester fibre) in intimate blend with wool, the word 'new' may not be used in the fibre content phrase if the product is offered for sale in any European Union (EU) member state.

2. Woolmark TM216: Pile density factor

This parameter was called 'durability' in previous editions of this specification.
This test is not applicable to flat woven products.

3. Woolmark TM202: Tuft withdrawal force

ISO 4919 may also be used for this test.
This test is not applicable to flat woven products.

4. Woolmark TM264: Delamination of secondary backing

This test is applicable to products that have a secondary backing.
ISO 11857 may also be used for this test.

5. Woolmark TM283: Weight loss in abrasion

For Woolmark Blend, the limit applies only to products containing polyamide.

6. Woolmark TM247: Change in surface structure

Results will normally be obtained by testing without underlay. The use of results from testing with underlay will require approval by the Woolmark Management Group.

If EN 1307 testing has been carried out, using either Hexapod or Vetterman Drum, results may be used only if approved by the Woolmark Management Group. Results from EN1307 will be considered only if the samples are tested with underlay.

This test is not applicable to flat woven products.

7. Woolmark TM136: Extractable matter

For all Woolmark and Woolmark Blend Products lighter than or equal to 1/12 standard depth, an advisory limit of 0.7% is recommended.

If a fluorocarbon finish has been applied to carpet pile, some of the chemical may be removed by the dichloromethane (DCM) and a high extract will be measured. In such cases, Woolmark TWC-TM258: Oil and water repellency should be carried out, and minimum grades of 4 (oil) and 3 (water) should be achieved, if a fluorocarbon has been applied.

For products meeting Woolmark Blend that include polyester and/or polypropylene, methanol shall be used instead of DCM. Methanol is toxic and flammable. The necessary safety precautions must be followed.

8. Woolmark TM267: Soiling propensity

This test is only conducted on products that are wool blends with polypropylene.

The pass level depends on original colour.

9. Woolmark TM27 and TM28: Insect Resistance

See Specification CP-4.

ADVISORY REQUIREMENTS

In addition to the mandatory requirements, a number of advisory requirements may be included during the consideration of test data. A failure may result in Woolmark or Woolmark Blend being refused.

Property	Test method	Guideline level
Surface pile weight (gm ⁻² : minimum)	234	600
Appearance retention: Usometer (grade: minimum) Loop pile products only	253/251	Fuzzing and pilling: 3 Fibre loss should not be severe
Kemp in blend (% maximum)	IWTO 8	10
Colourfastness to rubbing (grade: minimum)	232	Wet: 3 Dry: 3-4
Cold water staining (grade: minimum) Undyed and berber products only	256	3-4
Hot water texture retention (grade: minimum) Cut pile products only	257	3
Colourfastness to light (grade: minimum)	133	Darker than 1/12 standard depth: 5 Lighter than, or equal to, 1/12 standard depth: 4 First fade: 3
Direct soiling test Mandatory for products containing polypropylene	267	Pass
Stain polypropylene	233	3-4 (if polypropylene in the blend)

NOTES

- 1. Woolmark TM234: Surface pile weight**
This figure includes both wool and blended fibres.
- 2. Woolmark TM253: Surface appearance retention (Usometer)**
Loop pile products only.
- 3. IWTO-08: Determination of kemp**
No comment.
- 4. Woolmark TM232: Colourfastness to rubbing**
In Japan, this requirement is mandatory.
- 5. Woolmark TM256: Cold water staining**
This test is applied to undyed and berber products only.
- 6. Woolmark TM257: Texture retention (hot water)**
This test is applied cut pile products only.
- 7. Woolmark TM133: Colourfastness to light**
No further comment.
- 8. Woolmark TM267: Direct soiling test**
The test is advisory for all Woolmark products and all Woolmark Blend products, except those containing polypropylene, where the requirement is mandatory. The pass level depends on the original colour.
- 9. Woolmark TM233: Colourfastness to shampooing**
No further comment.

ADDITION CLAIM: Australian Merino

PRODUCTS

Australian Merino may be applied to all **Woolmark** labelled products meeting the criteria detailed in this specification.

All requests for products to be included in the Australian Merino program for furnishing products, bedding products, carpets and rugs must be submitted to The Woolmark Company for consideration.

Australian Merino - additional criteria

Property	Test method	Requirements
Wool content	155	Pure New Wool
Mean wool fibre diameter (μm : absolute maximum)	22 or 23 or 24	22.5 μm
Australian wool content: minimum (%)	Wool importer's or wool supplier's certificate to be submitted by licensee as confirmation	50%: minimum

NOTE

1. The wool must be from pure Merino sheep and written confirmation must be supplied.

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