



PERFORMANCE, VISIBLE ZIPPER ASSEMBLY COLOR DURABILITY

WSS-M15P18-B

1. SCOPE

The material defined by this specification is a visible zipper assembly and its color property requirements for interior trim applications. It is not applicable for nonvisible zipper applications.

2. APPLICATION

This specification was released originally for material used as a zipper assembly for interior seat, armrest and/or headrest covers.

3. REQUIREMENTS

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements for Production Materials (WSS-M99P1111-A)

3.1.1 In addition to the requirements listed herein, the zipper assembly shall meet all the requirements as specified on the Engineering Drawings and the functional requirements of the application.

3.2 APPEARANCE (FLTM BI 109-01)

The color and appearance shall match the approved Design Center master sample, or shall be as specified on the engineering drawing.

3.3 SAMPLE SELECTION

See Table 1 for sample size and testing requirements. The test specimens shall be taken from a zipper assembly.

3.4 CONSTRUCTION

Zipper type and construction must be specified on the Engineering Drawing and meet ASTM D2060, ASTM D2061, and ASTM D3657.

3.5 COLOR PROPERTIES

Submit tested samples to Materials Engineering for review and approval.

3.5.1 Resistance to Fade
(FLTM BO 116-01, ISO 105-A02/
AATCC Evaluation Procedure 1)

451.2 kJ/m²

Rating 4 min

Date	Action	Revisions	Rev. 0
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Documents

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3.5.2 Resistance to Crocking
(FLTM BN 107-01, ISO 105-A03 /
AATCC Evaluation Procedure 2)

Dry
Wet (Distilled water)

Rating 4 min
Rating 4 min

Zipper teeth should be zipped to run crocking down the middle of the teeth. A piece of tape may be required on the backside of the zipper to hold it together.

3.5.3 Resistance to migration staining and blocking
(FLTM BN 103-01)

No staining

No evidence of injurious exudation, adhesion (tackiness), separation, color transfer, staining when placed against an unsupported white vinyl film. No staining or color transfer to white vinyl film.

4. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification. Contact gmfs@ford.com for questions concerning Engineering Material Specifications.

5. SUMMARY OF REVISIONS

TABLE 1

Test	Sample size	Assembly Testing (DV/PV)	New Color Only (MCDCC Process)
3.4 .Construction		Functional testing by Trim cover Supplier and Tier 1 Supplier	
3.5 Color properties			
3.5.1 Resistance to Fade, 451.2 kJ/m ²	1 per color		X
3.5.2 Resistance to Crocking			
Dry	1 per color		X
Wet	1 per color		X
3.5.3 Resistance to migration staining	1 per color		X