Material Name	Specification Number
FABRIC, POSEIDON PATTERN, WEFT KNITTED, UNLAMINATED	WSD-M1H670-A
FABRIC, POSEIDON PATTERN, WEFT KNITTED, 3 mm	WSD-M1H670-B1
FABRIC, POSEIDON PATTERN, WEFT KNITTED, 6 mm	WSD-M1H670-B2
FABRIC, POSEIDON PATTERN, WEFT KNITTED, 3 mm	WSD-M1H670-C1
FABRIC, POSEIDON PATTERN, WEFT KNITTED, 6 mm	WSD-M1H670-C2
FABRIC, POSEIDON PATTERN, WEFT KNITTED, 6 mm	WSD-M1H670-D2
FABRIC, POSEIDON PATTERN, WEFT KNITTED, HFW	WSD-M1H670-G
FABRIC, POSEIDON PATTERN, WEFT KNITTED, HFW	WSD-M1H670-H
FABRIC, POSEIDON PATTERN, WEFT KNITTED, HFW	WSD-M1H670-J
FABRIC, POSEIDON PATTERN, WEFT KNITTED, HFW	WSD-M1H670-K

1. SCOPE

The material defined by this specification is a weft knitted Jacquard 19 gauge polyester velour fabric which can be flame laminated to polyester or polyether urethane foam and backed with a knitted fabric. It can also be backed with an HFW weldable backcoating.

2. APPLICATION

WSD-M1H670-A is used for moulded headrests and also adhesive coated for use on inner door panels.

WSD-M1H670-B1, B2, C1, C2, are used for seat wearing surfaces.

WSD-M1H670-D2, is used adhesive for bonded door, quarter trim panel applications.

WSD-M1H670-G, H, J, K, are used for inner door, quarter trim panels and/or as specified on Engineering Drawings.

POSEIDEN PATTERN

WSD-M1H670-A	Unlaminated
WSD-M1H670-B1	3.0 mm, flame laminated to polyether foam and knitted fabric
WSD-M1H670-B2	6.0 mm, flame laminated to polyether foam and knitted fabric
WSD-M1H670-C1	3.0 mm, flame laminated to polyester foam and knitted fabric (EAO use only)
WSD-M1H670-C2	6.0 mm, flame laminated to polyester foam and knitted fabric (EAO use only)
WSD-M1H670-D2	6.0 mm, flame laminated to polyether foam
WSD-M1H670-G	HF-weldable vinyl film, adhesive bonded, or an engineering approved alternative

Date	Release No.	Released
1995 01 31	C10460360	Released N J Komatsu

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WSD-M1H670-H	HF-weldable acrylic backcoating applied by the doctor-knife spreading technique, or an engineering approved alternative.
WSD-M1H670-J	HF-weldable vinyl backcoating applied by the doctor-knife spreading technique, or an engineering approved alternative.
WSD-M1H670-K	HF-weldable polyurethane backcoating applied by the doctor-knife spreading technique, or an engineering approved alternative.

3. REQUIREMENTS

In addition to the requirements listed herein, the fabric or laminate shall meet all requirements of WSB-M8P1-H.

3.1 STATISTICAL PROCESS

Suppliers must conform to the requirements of Ford Quality System Standard Q-101. A mutually acceptable Control Plan as described therein is required for material/source approval. Appropriate statistical tools must be used to analyze process/product data so that variation in the final product is continuously reduced.

3.2 INFRARED SPECTROPHOTOMETRY AND/OR THERMAL ANALYSIS

Ford Motor Company, at its option, may conduct infrared and/or thermal analysis of material/parts supplied to this specification. The IR spectra and thermograms established for initial approval shall constitute the reference standard and shall be kept on file at the designated material laboratory. All samples shall produce IR spectra and thermograms that correspond to the reference standard when tested under the same conditions.

3.3 CONDITIONING AND TEST CONDITIONS

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 C and 50 +/- 5 % relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

3.4 FABRIC CONSTRUCTION

3.4.1	Fabric Count, +/- 7 % tolerance (ASTM D 3887)	
	Wales	95 wales/10 cm
	Courses	130 courses/10 cm
3.4.2	Fabric Weight, range (FLTM BN 106-01)	300 - 340 g/m2
3.4.3	Pile Height, min (microscope technique)	1.0 mm

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