ENGINEERING MATERIAL SPECIFICATION

Material Name	Specification Number
DEADENER SHEETING, MAGNETIZABLE, HIGH TEMPERATURE FUSIBLE, PLANE PARTS, 1.5 MM NOMINAL THICKNESS	WSK-M99G140-C1
DEADENER SHEETING, MAGNETIZABLE, HIGH TEMPERATURE FUSIBLE, PLANE PARTS, 2.1 MM NOMINAL THICKNESS	WSK-M99G140-C2
DEADENER SHEETING, MAGNETIZABLE,HIGH TEMPERATURE FUSIBLE, PLANE PARTS, 1.5 MM NOMINAL THICKNESS	WSK-M99G140-C3
DEADENER SHEETING, MAGNETIZABLE, HIGH TEMPERATURE FUSIBLE, PLANE PARTS, 2.1 MM NOMINAL THICKNESS	WSK-M99G140-C4
DEADENER SHEETING, MAGNETIZABLE, HIGH TEMPERATURE FUSIBLE, PLANE PARTS, 3.1 MM NOMINAL THICKNESS	WSK-M99G140-C5
DEADENER SHEETING, MAGNETIZABLE, HIGH TEMPERATURE FUSIBLE, MOLDED PARTS, 2.1 MM NOMINAL THICKNESS	WSK-M99G140-C6
DEADENER SHEETING, MAGNETIZABLE, HIGH TEMPERATURE FUSIBLE, MOLDED PARTS, 3.1 MM NOMINAL THICKNESS	WSK-M99G140-C7

1. SCOPE

The materials defined by these specifications are magnetizable and heat bondable deadener sheetings with an anti blocking surface finish on one side. WSK-M99G140-C1 and WSK-M99G140-C3 consist of single layered, WSK-M99G140-C2 and WSK-M99G140-C4/C5/C6/C7 of double layered deadener sheetings, of which one layer is magnetizable.

2. APPLICATION

These specifications were released originally for materials used as vibration deadeners in the passenger compartment to the inner sides of roof, door tail gate and side wall. WSK-M99G140-C1/C2 are applied in inverted, WSK-M99G140-C3/C4/C5 in vertical or horizontal position. WSK-M99G140-C6/C7 are molded parts.

Prior to use the material must be magnetized under actual production conditions. It is applied to baked electrocoat.

3. REQUIREMENTS

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.

Date	Release No.	Release/Revision
1992-07-01	EP00E10176272000	Released C. Dittebrandt

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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

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 MATERIAL PROPERTIES

3.4.1 Composition

Bitumen and plastic base, magnetizable, with an antiblocking surface on one side.

3.4.2 Solids, min (FLTM BV 150-10) 99 %

3.4.3 Ash, max (FLTM BV 150-10) 85 %

3.4.4 Thickness (ISO 4593)

	Total	Magnetic Layer	Acoustic Foil
WSK-M99G140-C1/C3	1.3-1.7 mm		
WSK-M99G140-C2/C4/C6	1.9-2.3 mm	0.6-1.0 mm	1.1-1.5 mm
WSK-M99G140-C5/C7	2.9-3.3 mm	0.6-1.0 mm	2.1-2.5 mm

3.4.5 Density, g/cm3 (ISO R 1183, Method A)

	Total	Magnetic Layer	Acoustic Foil
WSK-M99G140-C1/C3	2.40-2.80		
WSK-M99G140-C2/C4/C6	1.80-2.20	2.60-2.80	1.50-1.90
WSK-M99G140-C5/C7	1.75-2.15	2.60-2.80	1.50-1.90

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