



TEST REPORT

DATE: 01-14-2016

TEST NUMBER: 0224712

CLIENT	ESHCO
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TEST METHOD CONDUCTED	SAE J1960 Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Water-Cooled Xenon Arc Apparatus
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Felt
COLOR	Black
FIBER	Polyester

GENERAL PRINCIPLE

This test specimen is exposed to a predetermined amount of radiant energy under specified conditions of temperature and relative humidity. The lightfastness of the specimen is assessed by comparing the exposed and the unexposed portions of the test sample with the AATCC Gray Scale for Evaluating Color Change.

TEST RESULTS

EXPOSURE	2500 kJ
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EXPOSURE	5000 kJ
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IDENTIFICATION	RATING
Felt	5.0

IDENTIFICATION	RATING
Felt	4.5

IDENTIFICATION	RATING

AATCC RATING KEY	
5	No change
4	Slight change
3	Noticeable change
2	Considerable change
1	Severe change

APPROVED BY:

Larry C. [Signature]



This facility is accredited by the National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under Lab Code 100297. This accreditation does not constitute an endorsement, certification, or approval by NIST or any agency of the United States Government for the product tested. This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. This report applies only to those samples tested and is not necessarily indicative of apparently identical or similar products. This report, or the name of Professional Testing Laboratory Inc., shall not be used under any circumstance in advertising to the general public.



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TEST REPORT

DATE: 04-18-2016

TEST NUMBER: 0227074

CLIENT	ESHCO
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TEST METHOD CONDUCTED	AATCC 165 Colorfastness to Crocking - Textile Floor Coverings (AATCC Crockmeter Method)
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Black
CONSTRUCTION	Felt
FIBER	Polyester

GENERAL PRINCIPLE

This method is designed to determine the degree of color which may be transferred from the surface of colored textile material to other surfaces by rubbing. Color transferred to the white test cloth is assessed by comparison with the AATCC Chromatic Transference Scale.

TEST RESULTS

COLOR/IDENTIFICATION	Wet Crock Rating	Dry Crock Rating
Black	5.0	5.0

COLOR/IDENTIFICATION	Wet Crock Rating	Dry Crock Rating

AATCC RATING KEY	
5	No change
4	Slight change
3	Noticeable change
2	Considerable change
1	Severe change

APPROVED BY: *Gary Asberry*

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TEST REPORT

DATE: 04-18-2016

TEST NUMBER: 0227074

CLIENT	ESHCO
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TEST METHOD CONDUCTED	AATCC 137 Rug Back Staining On Vinyl Tile
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Black
CONSTRUCTION	Felt
FIBER	Polyester

GENERAL PRINCIPLE

This test method is intended for determining whether color may be transferred from the back of colored rugs to hard surface flooring such as vinyl tile. A rug specimen is wet out and placed between two pieces of white vinyl and subjected to a weighted load for 24 hours. Any color transfer which occurs on the tile is assessed a rating in accordance with the AATCC Chromatic Transference Scale.

TEST RESULTS

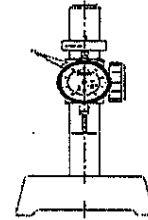
	TOP	BOTTOM
TEST SPECIMEN RATING	5.0	5.0

AATCC RATING KEY	
5	No stain
4	Slight stain
3	Noticeable stain
2	Considerable stain
1	Heavy stain

APPROVED BY: *Gary Asberry*

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TECHNICAL DATA SHEET



PRODUCT ID: S1J1763

GENERAL			
DESCRIPTION	Sunburst 1000 Beige	STYLE (ITEM) #	S1J1763
SPECIFICATION #:	NA	CLASSIFICATION:	NA

MATERIAL COMPOSITION			
CONTENT:	Polyester	PERCENTAGE	100%
COLOR:	Beige	CONSTRUCTION	Needle Punched
FINISH	Calendered	MICRON RATING	NA

MATERIAL SPECS	NOMINAL	TOL (-)	TOL (+)
Thickness (in)	0.040	0.035	0.045
Thickness (mm)	1.02	0.89	1.14
Weight (oz/yd ²)	6.0	5.4	6.6
Weight (g/m ²)	203	183	224
Weight (Lbs/yd ²)	0.38	0.34	0.41
Width (in)	As Requested	0.5	0.5
Width (mm)	As Requested	13	13

PHYSICAL PROPERTIES			
HIGH TEMP	325 ^o F	CONSTANT	300 ^o F
FMVSS302	Pass		
<ul style="list-style-type: none"> ◆ Material Specifications are in accordance with ASTM Standards for Evaluating Non-Woven Textiles ◆ The tolerances are based on an average of data points taken in a defined area of the roll goods ◆ These specifications are void once the material has been converted ◆ All tolerances and data subject to change ◆ It is the customer's responsibility to determine the final suitability of our products for use in their application 			

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: 100% Polyester Needled Felt
SYNONYMS: Nonwoven Felt

Use of Product: Textile alternative, filter material

SECTION 2: HAZARD IDENTIFICATION

This product is not a health hazard per the OSHA Hazard Communication Standard 29 CFR 1910.1200.
No Hazard anticipated under conditions of foreseeable use or exposure.

SECTION 3: COMPOSITION

CHEMICAL DESCRIPTION: Polyester Fiber
CAS RN: 25038-59-9

SECTION 4: FIRST AID MEASURES

Exposure to airborne dust could cause eye irritation - flush eyes with water if irritated.
Contact with molten material should be treated as a thermal burn. Seek medical attention for all burns.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: May burn, but does not ignite readily
EXTINGUISHING MEDIA: Dry chemical, CO₂, water spray, or regular foam.
FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus, NIOSH or equivalent,
and full protective gear.
UNUSUAL HAZARDS: Treat as a solid that burns.

SECTION 6: ACCIDENTIAL RELEASE MEASURES

Shovel, sweep or vacuum. Avoid generating dust clouds.
Place in an appropriate container and dispose of in compliance with all federal, state and local ordinances.

SECTION 7: HANDLING AND STORAGE

Store in a warehouse that is protected with a fire sprinkler system.
Keep away from heat, sparks, and flame.
Use good housekeeping methods to keep accumulation of dust to a minimum

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**EXPOSURE GUIDELINES:**

Molten polymer or prolonged air drying of polymer at temperatures above 195° will release small quantities of acetaldehyde (CAS# 75-07-0)

ENGINEERING CONTROLS:

Use local exhaust ventilation to keep the formation of airborne dusts to a minimum

PERSONAL PROTECTIVE EQUIPMENT:

Safety glasses.
Wear suitable protective clothing
When material is heated, wear gloves to protect against thermal burns.
Provide appropriate respiratory protection if ventilation is inadequate.

GENERAL HYGIENIC PRACTICES:

Avoid breathing fiber and dust.
Wash thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White or Off White material
FLAMMABLE LIMITS:	NA
ODOR:	No distinct odor
VAPOR PRESSURE:	NA
VAPOR DENSITY:	NA
pH:	NA
SPECIFIC GRAVITY:	0.91 g/cm ³
MELTING POINT:	482 - 572° F
BOILING POINT:	NA
SOLUBILITY:	Insoluble
FLASH POINT:	NA
EVAPORATION RATE:	NA
FLAMMABILITY:	NA
AUTO IGNITION TEMP:	NA
DECOMPOSITION TEMP:	NA
VISCOSITY:	NA

SECTION 10: STABILITY AND REACTIVITY

GENERAL STABILITY CONSIDERATIONS:

Stable at recommended handling and storage conditions.
may decompose if heated.

INCOMPATIBLE MATERIALS:

Strong oxidizing materials.

CONDITIONS TO AVOID:

Heat, flames, and sparks.

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY INFORMATION:

NTP: N/A
OSHA: Not Regulated
IARC: N/A

SKIN CONTACT:

Similar products produced no irritation or sensitization in skins tests on human subjects

SECTION 12: ECOLOGICAL INFORMATION

The fibers are not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

The fibers are not associated with any ecological problems.

The fibers are not biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

SECTION 14: TRANSPORTATION INFORMATION

This product does not belong to dangerous goods according to transport regulations.

SECTION 15: REGULATORY INFORMATION

U.S. TSCA Status:

This product is considered to be an article by TSCA definition. All components are listed on the TSCA inventory.

OSHA:

This product is not a hazardous chemical as regulated under the OSHA Hazard Communication Standard (29 CFR 1910.1200). This data sheet is provided merely as an informational resource for our customers.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)
Sections 302 and 304:**

This product is not an Extremely Hazardous Substance subject to reporting under 40 CFR 355.

Hazard Categories

Immediate Hazard:	NO
Delayed Hazard:	YES
Fire Hazard:	NO
Pressure Hazard:	NO
Reactivity Hazard:	NO
Environmental Hazard:	NO

International Regulations:

As an article the product does not need to be labeled in accordance with EC-directives or respective national laws.

ROHS:

This product does not contain any chemicals listed in ROHS.

REACH:

This product does not contain any chemicals listed in REACH.

CONFLICT MINERALS:

This product does not contain any minerals listed in the Dodd-Frank legislation (Conflict Minerals).

SECTION 16: OTHER INFORMATION

Last Revision: N/A

Date Prepared: 2/26/2015

This information is provided without warranty, and is believed to be correct. It is provided merely as an informational resource for our customers.