



WES-PIG Liner Specifications			
Tested Property	Test Method	ARC-Pig Liner	30 mil Textured HDPE
Thickness, mil – min	ASTM D 5199	108	30
		94	27
Tensile properties each direction, strength at break, lb./in-width, elongation at break %	ASTM D 6693 Type IV G.L 2.0" (51mm)	93	66
		22	100
Tear resistance, lb.	ASTM D 1004	45	24
Puncture resistance	ASTM D 4833	255	65
Dimensional stability	ASTM D 1204, exposure 100C/1Hr MD Dim Stability (%change) TD Dim Stability (% change)	-0.34	
		-0.08	
Low temperature brittleness	ASTM D 746, NSF 54, -60C MD (Pass/Fail) TD (Pass/Fail)	Pass – 100%	
		Pass – 100%	

Composition	Polypropylene	
Fluids absorbed	Oils, coolants, solvents, corrosives, acids & water	
Absorbency	Up to 0.90 oz./sq. ft.	
Roll dimensions	MAT6000 – 18 ft. wide	
UV resistant	Yes	
Resistance & resistivity	Meets NFPA 99 standards	
Static decay	Meets NFPA 99 standards	
Recycled content	5% pre-consumer recycled textiles	

Certification/Approval	
Type	Certification Number
Product certified “fit for use” on organically certified properties	11632



New Pig Energy

Safety Data Sheet

1. Product And Company Identification

Product Identifier: PIG Well Pad Liner & PIG Dual Surface Liner (MSD-211)
General Use: PIG Well Pad Liner & PIG Dual Surface Liner are designed to furnish a liquid barrier that will provide containment on natural gas well pads. They also offer a great working surface that will help prevent slips, trips and falls.
Product Description: A dark gray polypropylene material that has a film either sandwiched between layers or on the back.
Specific Product Identifier: PIG Well Pad Liner Patching Roll.
COMPANY PROFILE:
 New Pig Energy
 201 Jefferson Avenue
 Tyrone, PA 16686
 Information Number
 855-PIG-LINER (744-5463)
Website: newpigenergy.com
EMERGENCY TELEPHONE:
 INFOTRAC
 200 North Palmetto Street
 Leesburg, FL 34748
 24 hrs, 7 days/week
 1-800-535-5053
Email: pigliner@newpigenergy.com

2. Hazards Identification

GHS Classification: Not a dangerous substance according to GHS

POTENTIAL HEALTH EFFECTS:
Eye Contact: No hazard in normal use of product
Ingestion: No hazard in normal use of product
Inhalation: No hazard in normal use of product
Skin Contact: No hazard in normal use of product
Chronic: Not applicable

3. Composition/Information on Ingredients

<i>Outer Layers:</i>		
CAS: 9003-07-0	Polypropylene non-woven fabric	98-100%
<i>Minor Additives:</i>		
CAS: 1333-86-4	Carbon black*	<1%
EC: 215-609-9		
<i>Core Layers:</i>		
CAS: 9002-88-4	Polyethylene	2-4%

*In its present form, carbon black is completely bound in the mat, so there is little or no dust to present an airborne hazard

4. First Aid Measures

Eye Contact: Not applicable
Ingestion: Not applicable
Inhalation: Not applicable
Skin Contact: Not applicable

5. Fire Fighting Measures

Extinguishing Media: Unused form: chemical foam, dry chemical or carbon dioxide. Used form: that which is compatible to liquid(s) absorbed.
Special Fire Fighting Procedures: For large fires or fires in confined areas, use NIOSH/MSHA approved self-contained breathing apparatus. Use water fog or spray to cool exposed equipment and containers.
Hazardous Combustion Products: Smoke and noxious gases (carbon oxides and hydrocarbons) released when burned.
Unusual Hazards: Refer to absorbed liquid(s) SDS(s). The PIG Well Pad Liner & PIG Dual Surface Liner does not render liquids nonflammable, neutral or less hazardous.

6. Accidental Release Measures

Spill or Leak Procedures: If material is unused, collect and recover for reuse.

7. Handling and Storage

Handling Precautions: None
Storage Precautions: Store in warehouse with sprinkler system. Keep temperatures below 140° F (60° C). Shelf Life: ~3 + years when stored in a cool, dry place, out of direct sunlight.
General: Refer to absorbed liquid(s) SDS(s). The container can be hazardous when empty. Follow label cautions even after the container is empty. Do not re-use empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

8. Exposure Controls/Personal Protection

Engineering Controls: None required
PERSONAL PROTECTION
Eyes: Safety glasses with side shields is a good industrial practice
Respirator: Not required.
Gloves: Not normally required. However, when handling bulk, use of cloth, canvas or leather gloves is a good industrial practice.
Other: None required.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):
 EXPOSURE LIMITS 8 hrs. TWA (ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Carbon Black	3.5 mg/m ³	3.0 mg/m ³ (inh)

In its present form, there is little or no dust to present an OSHA hazard



New Pig Energy

Safety Data Sheet

9. Physical and Chemical Properties

Appearance: Deep light gray, dark gray and black fabric mat
Odor: Negligible odor **Threshold:** Not established
pH: Not applicable
MELTING POINT/Freezing Point: 248°-338° F (>120°-170° C)
Initial Boiling Point and Range: Not applicable
Flash Point: > 600°F (>315°C) **Method:** Not available
Evaporation Rate: Not applicable
Flammable Limits: Not applicable
Conditions of Flammability: Not applicable
Explosive Properties: Not applicable
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Relative Density (H₂O = 1): 0.91
Solubility in Water: Negligible
Auto-ignition Temperature: 825° F (440° C)
Coefficient of Water/Oil Distribution: Not available

10. Stability and Reactivity

General: This is a stable material.
Conditions of Reactivity: Not established.
Incompatible Materials: Avoid contact with hot or concentrated nitric, perchloric acids, and fuming sulfuric at 140° F (60° C) or above. Strong oxidizing agents may degrade product over an extended period of time.
Conditions to Avoid: Not applicable
Hazardous Decomposition: Complete combustion yields carbon dioxide and water. Incomplete combustion yields carbon dioxide, water, carbon monoxide and hydrocarbon oxidation products including organic acids, aldehydes and alcohols.
Hazardous Polymerization: Will not occur

11. Toxicological Information

In its present form, carbon black is completely bound in the mat, so there is little or no dust to present an airborne hazard
LD50: Not available. Carbon black: LD50 Oral Rat >8000 mg/kg
LC50: Not available
Carcinogenicity: IARC: Carbon black, Group 2B
 National Toxicology Program: Not listed
 OSHA: Not established
 California Prop 65: No listed ingredient
Reproduction Toxicity: Not available
Teratogenicity: Not available
Mutagenicity: Not available
Synergistic Products: Not available
Irritancy of Product: See Section 2.
Sensitization to Product: Not available

12. Ecological Information

No data available

13. Disposal Considerations

Waste Disposal Method: If unused, no special precautions are necessary. Dispose of in accordance with federal, state and local regulations. In certain types of cleanup applications the nature of the material recovered will classify the resulting spent material as a hazardous component. In such instances the material should be disposed of via an approved hazardous waste disposal service and the appropriate manifesting obtained.

14. Transport Information

DOT (Department of Transportation):
Proper Shipping Name: Not regulated
Hazard Class: Not regulated
Identification Number: Not applicable

15. Regulatory Information

CERCLA (Comprehensive Environmental Response Compensation and Liability Act): No Reportable Quantity
OSHA Hazard Communication Standard, 29 CFR 1910.1200: Carbon Black <1%
SARA Title III (Superfund Amendments and Reauthorization Act): No listed ingredient
TSCA (Toxic Substances Control Act): Ingredients of this product are on the Inventory list.
DSL (Canadian Domestic Substances List): All components of this product are on the Canadian DSL.

16. Other Information

Reason for Issue: Reviewed, changes to Company Profile in Section 1, changes to Sections 15 & 16.
Prepared by: Dale Gatehouse, Entreprises Krenda Inc.
Approved by: Lisa Baxter, New Pig Corporation
Previous Date of Issue: 04/02/2020
Revised Date: 05/14/2021
SDS Number: MSD-211

The following is in lieu of all warranties, expressed or implied: All information provided is based on testing and data believed to be accurate.



TRI / Environmental, Inc.
A Texas Research International Company

January 23, 2013

Mail To:

Doug Evans
New Pig
5 Pork Ave.
Tipton, PA 16684

email: dougev@newpig.com
email: bethp@newpig.com

Bill To:

<= Same (P.O. Number: 1024)
New Pig Energy
19 Colonnade Way Ste 117 #148
State College, PA 16803

Dear Mr. Evans:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

TRI Job Reference Number: E2375-26-04
Material(s) Tested: 1 New Pig 100 mil Well Pad Liner Nonwoven Geotextile Composite
Test(s) Requested: Permittivity (ASTM D 4491, 6 inch Falling Head)

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Mansukh Patel
Sr. Laboratory Coordinator
Geosynthetic Services Division
www.GeosyntheticTesting.com

cc: Sam R. Allen, Vice President and Division Manager



TRI / Environmental, Inc.
A Texas Research International Company

GEOTEXTILE TEST RESULTS
TRI Client: New Pig

Material: New Pig 100 mil Well Pad Liner Nonwoven Geotextile Composite
Sample Identification: 11/01/12 8/10/8 #205001
TRI Log #: E2375-26-04

Test Date: 02/01/13

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Falling Head Permittivity (ASTM D 4491, Falling Head; 2 in opening) Sample has been sealed at edge by RTV Sealant on Edge of specimen -Sealant had been cured for Three days before testing)												
Water Temp. (C):	20											
Correction Factor:	1.00											
Test Specimens No. >:	1					2						
Thickness (mils)												
Volume Collected (liters)	NO FLOW					NO FLOW						
Time (hrs)	72.0					72.0						
Specimen Permittivity @20°C (sec-1)	No Flow					No Flow						
	3					4						
Thickness (mils)												
Thickness (mm)												
Volume Collected (liters)	NO FLOW					NO FLOW						
Time (hrs)	72.0					72.0						
Specimen Permittivity @20°C (sec-1)	No Flow					No Flow						
	TEMPERATURE CORRECTED VALUES					Permittivity (s-1)					No Flow	

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Registered Product Certificate



CERTIFIED OPERATION

Well Equipment Solutions Pty Ltd

20 Ballera Court
Wellcamp Business Park Queensland 4350 AUSTRALIA

Certification Number: **11632**

SCOPE OF CERTIFICATION

Processor

FACILITIES

20 Ballera Court Wellcamp Business Park Wellcamp QLD 4350 AUSTRALIA

PRODUCTS

SEE ANNEX

STANDARDS

The above named operator has been assessed by ACO Certification Ltd. The products listed on this certificate have been reviewed as compliant with the requirements set out in the Australian Certified Organic Standard 2021v.1. This certificate is not a legal or commercial document and may not be used as such. This certificate remains the property of ACO Certification Ltd and remains valid until the expiry date or until surrendered, suspended or decertified.

Authorised by:
Ruwi Jayasuriya
General Manager - Certification



Place & Date of Issue:
Brisbane, Australia
24 July 2024

Valid Until 31 Aug 2026
C-01172-2024

ACO CERTIFICATION LTD

Level 21, 12 Creek Street Brisbane Q 4000 | GPO Box 731 Brisbane Q 4001
ACN 099 884 983 Phone +61 07 3350 5706 Email info@aco.net.au Web www.aco.net.au



Company name and address:
Well Equipment Solutions Pty Ltd
20 Ballera Court Wellcamp Business Park Queensland 4350, AUSTRALIA
Certification number: **11632**
Type of operation: **Processor**

ANNEX: Certified product listing

Date of issue: **24 Jul 2024**

The certificate and annex remains property of ACO Certification Ltd and can be withdrawn in case of changes or termination. This annex is only valid when presented with a valid certificate number corresponding with the following number:
C-01172-2024

Product name	Group	Services	Brands
PIG® Lease Liner (PIG® Well Pad Liner) - Restricted	Other Farm Management Tools	Allowed Inputs	



Your partner for a clean and safe workplace.
1-800-HOT-HOGS® (468-4647)

Chemical Compatibility Guide for:

- PIG® Universal Mat Pads, Pulp, Rolls and Tablets (Gray)**
- PIG® CHAT MAT® and Chat Sock® Absorbents**
- PIG® High-Visibility Pads and Rolls (Yellow)**
- PIG® TRAFFIC MAT® Pads and Rugs**
- PIG® Universal 4 IN 1® Mat (Gray)**
- PIG® Universal HAM-O® Pads, Pillows, Rolls, Socks and Tablets**
- PIG® Well Pad Liner**

NOTICE:

This report is offered as a guide and was developed from information which, to the best of New Pig Corporation's knowledge, was reliable and accurate. Due to variables and conditions of application beyond New Pig Corporation's control, none of the data shown in this guide is to be construed as a guarantee, expressed, or implied. New Pig Corporation assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.

Note: HAM-O® Products, Chat Mat® and Chat Sock® Absorbents are not recommended for use with some solvents or corrosive liquids that may affect the printed pattern. If this is an issue, please test the absorbent prior to use.

ATTENTION: Independent testing indicates that PIG® Universal Mat products are compatible with and absorb many acids and bases. Due to variables and conditions beyond our control, New Pig cannot guarantee that this product will absorb to your satisfaction.

To ensure effectiveness and your safety, we recommend that you conduct compatibility and absorption testing of your chemicals with PIG® Universal Mat products prior to purchase. If you have any questions or need samples to test, please call us toll free at 1-800-HOT-HOGS®.

Chemical	Chemical Class	Swelling (0-2)	Visible Degradation (0-2)	Rating
Acetone	Ketones	0	0	Good
Acetonitrile	Nitriles	0	0	Good
Aluminum Salts	Aluminum Compounds Hydroxylic	0	0	Good
Ammonium Hydroxide	Inorganic Base	0	0	Good
Barium Salts	Barium Compounds	0	0	Good
Benzyl Alcohol	Hydroxyl Compounds	0	0	Good
Bleach Solution	Inorganic Bases	0	0	Good
Boric Acid	Inorganic Acids	0	0	Good
Butanol	Hydroxyl Compounds	0	0	Good
Calcium Chlorite	Calcium Compounds	0	0	Good
Carbon Disulfide	Sulfur Compounds	0	0	Good
Carbon Tetrachloride	Halogen Compounds	0	0	Good
Chloroform	Halogen Compounds	0	0	Good
Cupric Chloride	Copper Compounds	0	0	Good
Cyclohexanone	Ketones	0	0	Good
Dichloromethane	Halogen Compounds	0	0	Good
Diethylamine	Amines	0	0	Good
Dimethylformamide	Amides	0	0	Good
Ethyl Acetate	Carboxylic Esters	0	0	Good
Formaldehyde	Aldehydes	0	0	Good
Gasoline	Aromatic Hydrocarbons	0	0	Good
Glycol Ether	Ethers	0	0	Good
Hexane	Aliphatic Hydrocarbons	0	0	Good
Hydrochloric Acid (37%)	Inorganic Acids	0	0	Good *
Hydrogen Peroxide(30%)	Peroxides	0	0	Good

Still have questions? In North America contact us:



By Phone:
1-800-HOT-HOGS® (468-4647)

Online:
newpig.com

Email:
hothogs@newpig.com

One Pork Avenue • Tipton, PA 16684-0304



Chemical	Chemical Class	Swelling (0-2)	Visible Degradation (0-2)	Rating
Hydrofluoric Acid (48%)	Inorganic Acids	0	0	Good *
Isopropanol	Hydroxylic Compounds	0	0	Good
Jet Fuel (JP-5)	Hydrocarbons	0	0	Good
Kerosene	Hydrocarbons	0	0	Good
Methanol	Hydroxylic Compounds	0	0	Good
Methyl Ethyl Ketone	Ketones	0	0	Good
Mineral Oil	Alicyclic Hydrocarbons	0	0	Good
Mineral Spirits	Hydrocarbon	0	0	Good
Naphtha	Hydrocarbons	0	0	Good
Nitric Acid (70%)	Inorganic Acids	0	0	Good *
Nitrobenzene	Nitro Compounds	0	0	Good
Perchloroethylene	Halogen Compounds	0	0	Good
Phenol	Hydroxylic Compounds (Phenols)	0	0	Good
Potassium Hydroxide 50%	Inorganic Bases	0	0	Good **
Propylene Glycol	Hydroxylic Compounds	0	0	Good
Sodium Hydroxide (20%)	Inorganic Bases	0	0	Good *
Sodium Hydroxide (30%)	Inorganic Bases	0	0	Good *
Sodium Hydroxide (40%)	Inorganic Bases	0	0	Good **
Sodium Hydroxide (50%)	Inorganic Bases	0	0	Good **
Styrene	Aromatic Organic	0	0	Good
Sulfuric Acid (50%)	Inorganic Acids	0	0	Good *
Sulfuric Acid (98%)	Inorganic Acids	0	0	Good **
Tetrachloroethylene	Halogen Compounds	0	0	Good
Tetrahydrofuran	Ethers	0	0	Good
Thionyl Chloride	Chloride Compounds	0	0	Good
Toluene	Aromatic Hydrocarbons	0	0	Good
1, 1, 1-Trichloroethane	Halogen Compounds	0	0	Good
Trichloroethylene	Halogen Compounds	0	0	Good
Triethylamine	Amines	0	0	Good
Turpentine	Hydrocarbons	0	0	Good
Water	Misc.	0	0	Good

KEY:

Swelling (Visually rated from 0-2): 0 = None, 1 = Slight, 2 = Significant
 Degradation (Visually rated from 0-2): 0 = None, 1 = Slight, 2 = Significant
 * Liquid may be slow to absorb
 ** Liquid may not absorb

RATINGS:

Good: No swelling, no degradation
 Fair: Temperature increase and/or color change
 NR (Not recommended): Significant degradation or swelling

For additional assistance, please contact New Pig Technical Services at 1-800-HOT-HOGS® (468-4647).

100% Money-Back Guarantee

If you're not happy with a product, for any reason, we'll refund every penny of your purchase price. That means we'll refund all sales taxes, shipping costs, and any other incidentals - without tacking on a restocking fee or an other surprise charges. You get ALL your money back. Period.

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 Email: hothogs@newpig.com • Web: newpig.com

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