



Jolly, Becky <becky.jolly@dnr.iowa.gov>

Fwd: Dickinson Landfill - Permit No. 20-SDP-4-75P - ADC Permit Modification Request

1 message

Smith, Mike <mike.smith@dnr.iowa.gov>
To: Becky Jolly <becky.jolly@dnr.iowa.gov>

Thu, Oct 16, 2025 at 7:39 AM

Becky:

Please add to Open Text.

Thanks,
Mike

----- Forwarded message -----

From: **Fletcher, George** <gfletch2@wm.com>
Date: Wed, Oct 15, 2025 at 8:26 AM
Subject: Dickinson Landfill - Permit No. 20-SDP-4-75P - ADC Permit Modification Request
To: Mike Smith (mike.smith@dnr.iowa.gov) <mike.smith@dnr.iowa.gov>
Cc: Reynolds, John <jreyno11@wm.com>, McCain, Andrew <amccain@wm.com>

Mike:

Dickinson Landfill, Inc, Permit No. 30-SDP-4-75P, is requesting a Permit Revision for approval for the use of a new alternative daily cover (ADC) tarp manufacture. Permit Condition X.8 authorizes the use of the following geotextiles for use as alternative cover materials:

- Belton Industries Style 1104 and Style 2159;
- Brawler Industrial Fabrics Durashield 11,000 FR and 315 ST Woven Geotextile; and
- KYM Industries 2400 BT FR.

Dickinson Landfill requests that a product named ADC Tarpaulin, manufactured by AmCon Environmental be added to the list of approved geotextile for use as ADC. The ADC Tarpaulin is fabricated using one of the following geotextiles: Thrace ADC600WFR and Thrace TPG475LW. The product data sheets are attached for your review. If you have questions or comments please let me know."

Thanks

George Fletcher, P.E.**Site Engineer**

Upper-Midwest Market Area

gfletch2@wm.com

515-657-0264

6002 Nelson Rd. Sun Prairie, WI 53590



2 attachments



Thrace Info sheet.pdf

183K



Thrace Flame Retardent material.pdf

797K

Product Data Sheet

TPG475LW

TPG475LW technical geotextile is a polypropylene, UV stabilized, high strength, white woven geotextile, used for many civil engineering and building applications – can be used as an alternative daily landfill cover. It is manufactured at one of **Thrace Nonwovens & Geosynthetics S.A.** facilities that have achieved **ISO 9001** certification for its systematic approach to quality and **ISO 14001** for its environmental management policy. It is also resistant to chemicals and biological agents. **TPG475LW** conforms to the property values listed below. All technical data are based on statistical analysis from internal and external laboratory results.

PROPERTY	TEST METHOD		MARV
MECHANICAL			
Grab tensile strength (MD/CD)	ASTM D4632	kN (lb)	2.1/2.1 (475/475)
Grab max Elongation (MD/CD)	ASTM D4632	%	20/17
Trapezoidal Tear	ASTM D4533	N (lb)	800/670 (180/150)
Wide Width Ultimate Tensile Strength (MD/CD)	EN ISO 10319	kN/m (lb/in)	60/60 (343/343)
Wide Width max Elongation (MD/CD)	ASTM D4595	%	20/17
Resistance to static puncture	EN ISO 12236	N (lb)	5000 (1125)
	ASTM D6241		
HYDRAULIC			
Apparent Opening Size (AOS) (max)	ASTM D4751	US sieve	35
Permittivity (min)	EN ISO 11058	s ⁻¹	0.05
	ASTM D4491		
PHYSICAL			
Thickness (2kPa) (typical value)	EN ISO 9863-1 ASTM D5199	mm (mils)	0.9 (35)
Nominal mass per unit area	ASTM D5261	gr/m ² (oz/yd ²)	290 (8.6)
ENDURANCE			
Weathering Resistance	EN 12224	%retained strength @ 1200hrs	≥70
Burning Characteristics - Flammability	ASTM E84		Class A
STANDARD PACKAGING			
Roll Width	Measured	m (ft)	3.81 (12.5)
Roll Length	Measured	m (ft)	305 (1000)

Product Data Sheet

ADC600WFR

SKU pending

ADC600WFR is a high-strength Alternative Daily Landfill Cover. UV-stabilized polypropylene, white flame-retardant, slit-film woven fabric. Highly resistant to chemicals and biological agents.

Customer Notice

This is a development product, and the values provided are an estimate of the properties that this product is expected to achieve. This information is either based on theoretical data or a limited number of tests and should not be read as a final specification. This product will become a production item once both the customer and Thrace NG are fully satisfied that it meets all key performance criteria, and the specification limits are agreed.

PROPERTY	TEST METHOD	TYPICAL VALUE	UNITS
MECHANICAL			
Grab tensile strength (MD/XD)	ASTM D4632	600/575	lbf
Grab Elongation (MD/XD)		22/16	%
Trapezoidal Tear	ASTM D4533	210/210	lbf
Resistance to static puncture	ASTM D6241	2000	lbf
HYDRAULIC			
Apparent Opening Size (AOS) (max)	ASTM D4751	35	US sieve
Permittivity (typical)	ASTM D4491	0.20	s ⁻¹
PHYSICAL			
Thickness under 2kPa	EN ISO 9863-1 ASTM D5199	0.9 (35)	mm (mils)
ENDURANCE			
UV Resistance (1200hrs)	EN 12224	≥80	%
Burning Characteristics	ASTM E84	Class A	
Reaction to Fire	DIN 4102-1	Class B2	
Ignitability	ISO 11925-2	EN 13501-1 Class E	
STANDARD PACKAGING			
Roll Width	Measured	3.81 (12.5)	m (ft)
Roll Length	Measured	305 (1000)	m (ft)

NOTES - DISCLAIMER:

THRACE NONWOVENS & GEOSYNTHETICS SA reserves the right to alter product specifications without prior notice. It is the responsibility of all users to satisfy themselves that the above data are current.

- MD indicates Machine Direction and CD indicates Cross Direction
- All values listed are minimum average roll values (MARV), unless otherwise noted.
- AOS reported as maximum average value.

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