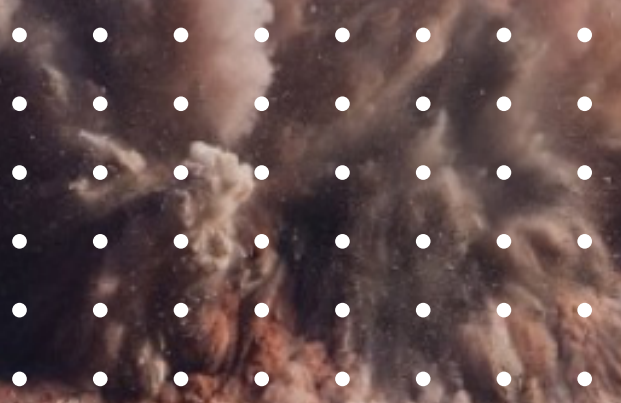




FRIESEN PLASTICS INC

Manufacturer of Flexible Packaging
Signs, Labels & Graphics



MINING SOLUTIONS



Starting in the early 1980's as Big M Plastics our little manufacturing company has grown from 4,000 sq ft to over 45,000 sq ft. In the mid 2000's the Friesen family acquired Big M Plastics and the name was changed a few years later to Friesen Plastics Inc.

As the times have changed so has the way we produce products and stay competitive. With a commitment to invest in new technologies, equipment, and continuous improvement in our work we have been able to thrive in a consistently competitive landscape.

Friesen Plastics Inc. is proud to partner with global leaders in the mining industry to create innovative solutions. Our team visits mine blasting sites to ensure product conformity, innovation, and continuous improvement.



- ✔ Consistent Blasts
- ✔ Reduces Nitrate in water
- ✔ Leaching prevention
- ✔ Containment

Emulsion Liner with Compacted Deployment Technology

A major source of environmental contamination are nitrates that leach into waterways. This happens when explosives come into contact with groundwater or soil and are absorbed. Boreholes that contain water need proper lining to ensure highly soluble explosives do not make soil/water contact prior detonation.

Solution

Blasthole liners minimize this from occurring. Mines have been able to use a plastic liner in dry boreholes to eliminate contact between ammonium nitrate and soil or water, but in wet holes or holes with dynamic water, lining has been an impossibility until now.

Our product and expertise provides a proven solution to this decades long problem. Mines that are blasting wet holes or holes with dynamic water will significantly reduce nitrates at the source, reduce blasting misfires, & partial detonation requiring dangerous rework and cleanup. Our product creates a barrier between the water and emulsion (explosives) which contains the blast and reduces leaching, spillage, and undetonated explosives.

Key Benefits

- ✔ Decreases leaching of explosives into ground water
- ✔ Our liner helps keep the explosives together, eliminating dilution to help create a more consistent blast and reduce blasting misfires.
- ✔ Increased water quality through a reduction of nitrates absorption.
- ✔ Reduce Spillage/drippings when transferring the explosive during transportation from hole to hole.



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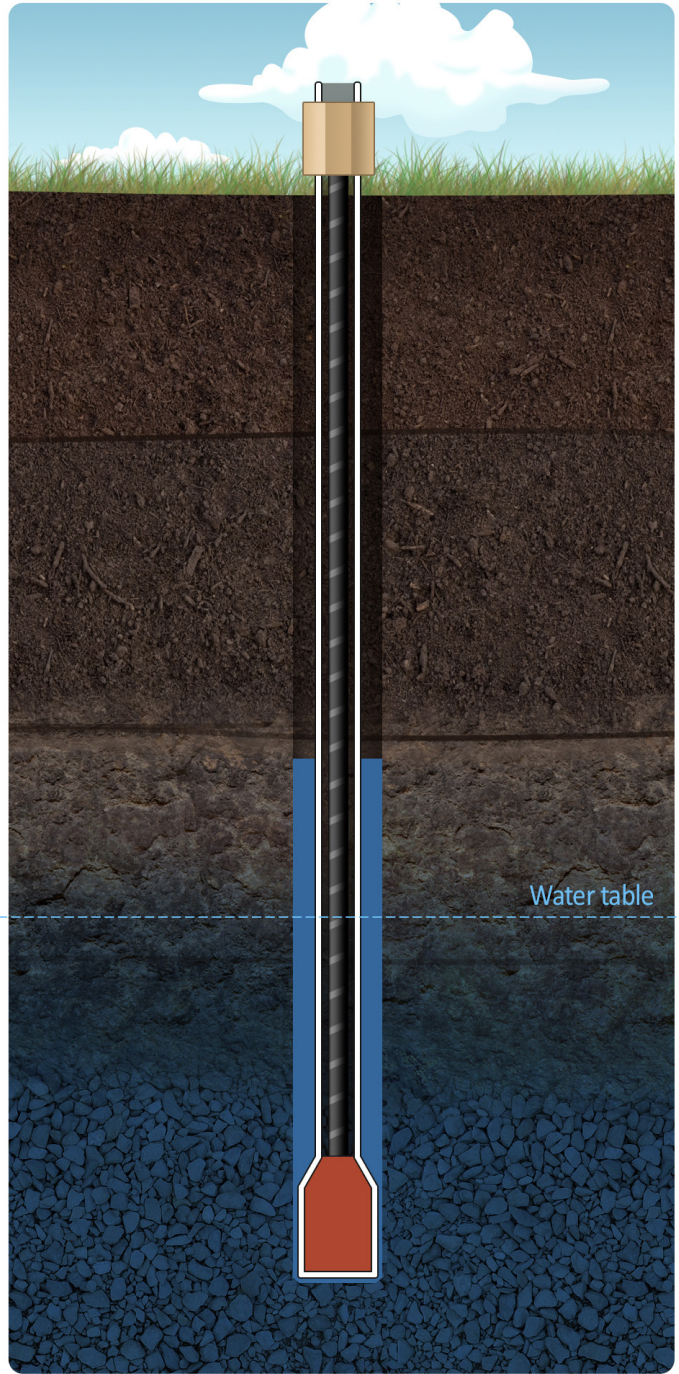
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Application: Wet | Dewatered
Ideal for emulsion blasting



Wet Hole, No Liner

Wet Hole, Emulsion Liner with CDT

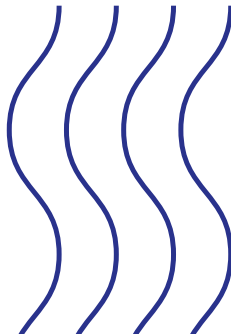



-  - Explosive
-  - Water
-  - Liner Packaging
-  - Liner Bag
-  - Hose



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Our liners play an important role in reducing the impact that mining has on the environment.

Safeguard Blast Hole Liner

Unable to contain explosives in a dry borehole to avoid leaching and loss of explosive?

Blast Hole Containment Liners are made with polyethylene tubing and are used to line the drilled holes in open pit mines. Mines are able to use a plastic liner in dry boreholes to **eliminate contact between ammonium nitrate and soil or water.**

Key Benefits

- ✔ **Decreases leaching** of explosives in the blast hole.
- ✔ Our liner **helps keep the explosives together**, reducing potential separation to help create a more consistent blast as it causes all explosive material to detonate.
- ✔ **Reduces loss of explosive** by creating a barrier between the explosive and moisture in the blast hole.

- ✔ **Consistent Blasts**
- ✔ **Leaching prevention**
- ✔ **Containment of the explosives**

Liner Options

- ① **Single wall Liner**
- ② **Double wall Liner**
- ③ **Anti-static option**
- ④ **Depth-Gauge Option**



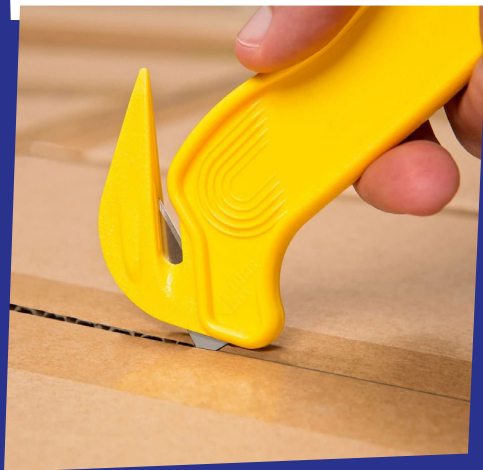
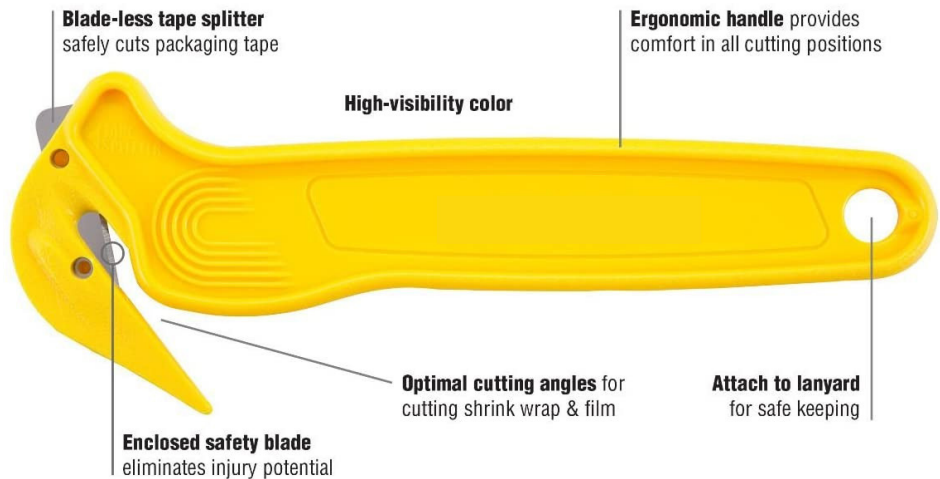
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Application: Dry | Dewatered
Ideal for ANFO blasting

J Hook knives

- ✔ Enclosed blade eliminates loose blades from the workplace
- ✔ The ideal choice for cutting shrink wrap, plastic bags, cryovac bags, etc
- ✔ Long lasting stainless steel blade with heavy duty tape splitter
- ✔ NSF certified - safe for Food preparation areas
- ✔ Easy to clean and sanitize



Garbage bags

	QTY/Case	Part #		QTY/Case	Part #
24"×28"-1.5MIL Black	400	10003	35"×46"-2MIL Black	100	10013
26"×36"-1.5MIL Black	250	10004	35"×50"-1.5MIL Black	125	10014
26"×36"-2.5MIL Black	125	10005	35"×50"-2.5MIL Black	100	10015
30"×38"-1.5MIL Black	200	10006	36"×48"-3MIL Black	75	10016
30"×38"-2.5MIL Black	125	10008	42"×50"-2.5MIL Black	75	10017
30"×44"-1.5MIL Black	75	10575	42"×50"-2.5MIL Black *OXO-BIO*	75	10017B
30"×44"-2.5MIL Black	125	10009	20"×9"SGx30"-3MIL		
32"×40"-1.5MIL Black	200	10011	Black Compactor w/Holes	100	10265



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Locked out

tags

- ✔ Alert, call out, or draw attention to temporary hazards with custom danger do not operate messaging to draw attention to a hazardous situation that could result in serious injury.
- ✔ Comes with a reinforcing self-laminating cover that protects your recorded information from chemicals, moisture, the weather and scratches



Work site

signage

- ✔ Safety is a top priority for any work site, whether big or small. From Safety Signs for helping avoid slips, trips and falls on your site to spill control, dangerous goods containment, first aid, and vehicle safety signs, we have a range of visual safety products to help prevent injury while fostering accessible work areas.



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UHMW

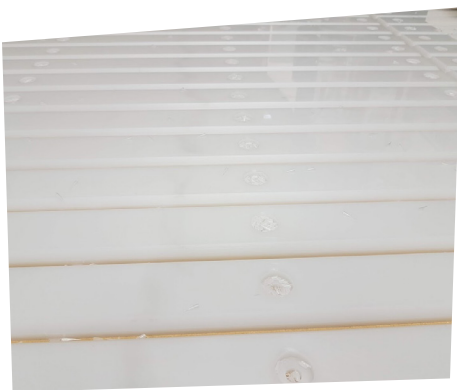
UHMWPE

We stock hundreds of sheets of UHMW for use in mining applications such as chute liners, track slides, wear strips, wear bars, bushings, impact pads, bed liners, outrigger pads, material flow, paddles, and more.

UHMW (UHMWPE) or Ultra High Molecular Weight Polyethylene is an extremely durable plastic used to solve Wear, Friction, and Material Flow across many industries. It is known for its extreme wear resistance, high impact strength, chemical resistance, and outstanding sliding properties.

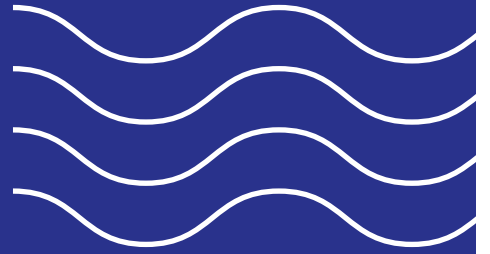
Friesen Plastics' UHMW-PE has a very low COF (Coefficient of friction), is self-lubricating, and up to 10 times more abrasion resistant than carbon steel. Its COF is significantly lower than that of Nylon and is comparable to PTFE or Teflon. UHMW has better abrasion resistance than Teflon.

Friesen Plastics offers UHMW in full sheet lengths (4' x 10') or in fabricated parts



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