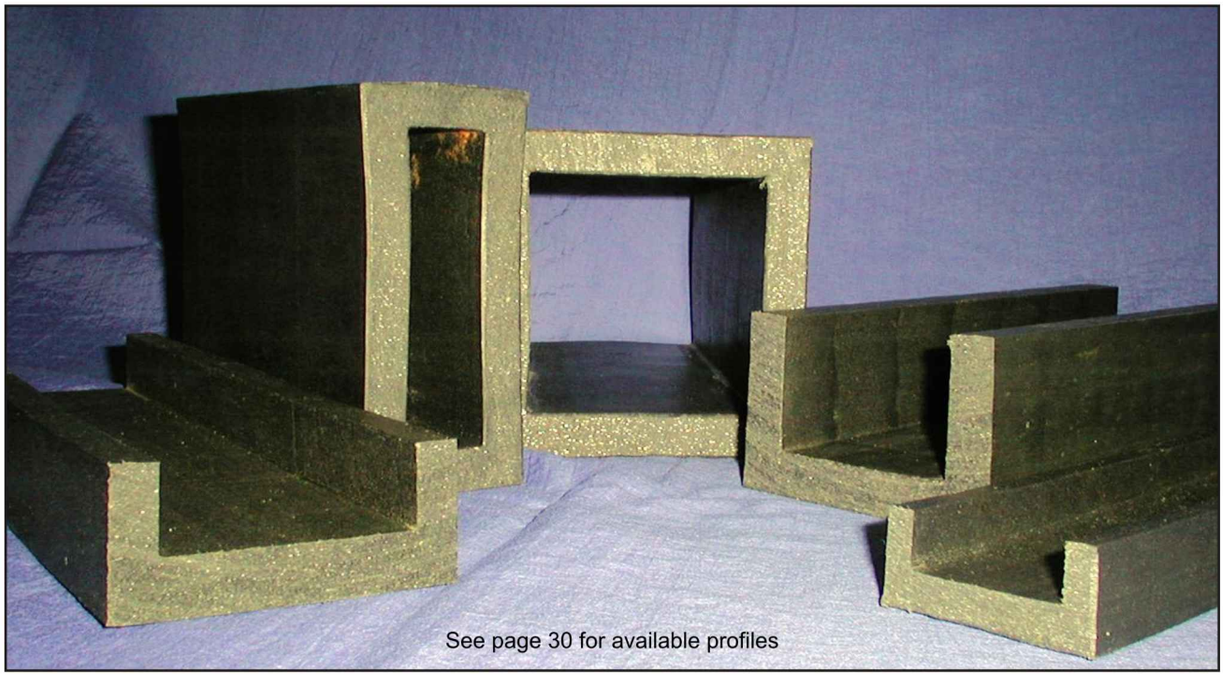
UHMW - Metal-Ex (Pulp Friendly)



Northex™ Metal-ex is a metal-filled UHMW resin designed to address the concern of plastic contamination in wood chips for Kraft pulp processing.

The special additives allow Northex™ Metal-ex to exhibit greater specific gravity which can be separated from wood pulp in solution.

In addition, the fillers in Northex™ Metal-ex are metal detectable.

Features & Benefits:

- High specific gravity 1.8 (Sinks)
- Activates metal detectors (In most cases)
  Results may vary depending on the sensitivity of the detection system and size of the piece
- UV stabilized
- Retains all other features of Virgin UHMW

Typical applications include: Chain Wearstrips, Drag Chain Flytes and Conveyor Liners

Physical Properties Test	Method	Value
Test Properties	ASTM 638	
Ultimate strength PSI		2280
Yield strength PSI		1865
Elongation at Break %		16
Compressive strength (at 1% offset) PSI	ASTM 695	4200
Flexural strength PSI	ASTM D790	2917
Hardness Rockwell R Scale	ASTM D785	R77
Hardness D Durometer Scale		D64
Coefficient of friction * (on steel - static)		.18 +/- 10%
Coefficient of linear expansion* (inch/inch/C Degrees)		.00020
Specific Gravity		1.80