



# The Goodness of Hemp Fiber

*Hemp Bast Fiber & Product Capabilities*



**IND HEMP fiber is the perfect starting point to connect “eco” with industry.** Hemp bast fiber from IND HEMP is decorticated, clean and ready for integration into textiles, non-wovens, bio composites and more. Hemp is the strongest natural fiber and is a good sustainable rotation for our farmers.

*IND hemp contracts both purpose-grown fiber as well as dual-purpose grain and fiber where we up cycle the residual straw from the super food grain crop.*

## IND HEMP has a state-of-the-art hemp processing operation at Fort Benton, MT.

Hemp bast and hurd fiber are produced through *decortication*, the process where a hemp stalk is physically separated and cleaned. Our IND HEMP processing line is capable of handling up to 5 tons of raw stalk per hour.

**Contact us to discover how our hemp capabilities can help meet your goals.**

**Good for a variety of uses, in a variety of markets.**

- Textiles
- Automotive
- Construction materials
- Composites
- Erosion Control
- Pulp & Paper



IND HEMP BAST FIBER CAN BE PROCESSED IN A VARIETY OF FORMATS FOR USE IN DIFFERENT APPLICATIONS:

**MONTANA PLATINUM**

**MONTANA GOLD**

**MONTANA BRONZE**

**SHORT FIBER BLEND**

## OVERVIEW

The process starts by separating the outer bast fiber from the inner woody core of the stalk. The fiber is then cleaned and baled in preparation for a variety of uses.

**Applications:**

- Woven and knit; apparel, home furnishings
- Nonwovens
- Insulation; building & freight
- Spunlace; wipes, feminine hygiene
- Erosion blankets, waddles & hydromulch / Felts
- Specialty papers, molded fiber

**Benefits:**

- Strong and durable
- Rapidly renewable material
- High specific properties (composites)
- Sustainably grown & processed in the USA
- Absorbent, lightweight

## PRODUCT SPECIFICATIONS

**Bale Size:** 54" x 48" x 28" • **Bale Weight:** ~500 lbs. bales  
Short Fiber Blend delivered in Supersacks

	9041137	9041141	9041145	9041205
Organic	9041137	9041141	9041145	9041205
Natural	9091136	9091140	9091144	9091204
	Montana Platinum	Montana Gold	Montana Bronze	Short Fiber Blend
Retting Process/Level	Dew, Well Retted	Retted/Unretted	Unretted/Green	Mixed
Color Level	Brown/Gray	Tan/Golden/Green	Green	Mixed
Hurd Content	< 3%	3 - 5%	> 5%	5 - 20%
Average Fiber Length	63.5 mm (2.5")	76 mm (3")	76 mm (3")	4 mm
Fiber Length Range	50 - 76 mm (2 - 3")	63.5 – 114mm (2.5 - 4.5")	50 – 127 mm (2 - 5")	1.2 - 10 mm
Moisture Content	6 - 9%	6 - 9%	6 - 9%	6 - 9%
Dust	< 1%	< 1%	< 3%	< 5%
Fiber Ribbons (Straps & Coarse Bundles)	1-3%	3-7%	> 7%	< 1%

## PRODUCT SPECIFICATION

**Source material: Hemp**

	Unit
Bulk Density	4.5 - 7.5 lb/ft <sup>3</sup>
Moisture Content	6 - 10%
Hurd Content	< 5%



USDA Organic-Certified materials available

