



# The Goodness of Hemp Hurd

*Hemp Hurd Compounding & Product Capabilities*



**IND HEMP fiber is the perfect starting point to connect “eco” with industry.** IND HEMP hurd fibers are ideal for absorbent applications and biocomposites. Our hurd fiber products are sustainably sourced, rapidly renewable and dust- & chemical-free.

**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.**

- Building Materials
- Functional additives
- Bio Composites / Natural fillers

**Markets:**

- Compounding with thermoplastics
- Building materials
- Oil & Gas
- Plastics



IND HEMP HURD CAN BE MILLED INTO A VARIETY OF CONSISTENCIES FOR USE IN DIFFERENT APPLICATIONS:

MILLED 30

MILLED 60

MILLED 99

FINE HURD BLEND



## OVERVIEW

The process starts by separating the outer bast fiber from the inner woody core (hurd) of the stalk. The core is further cleaned, milled, fractionated, and packaged.

**Applications:**

- Compounding with thermoplastics
- Loss circulation fluid
- Building applications (hempcrete)
- Animal bedding
- Spill kits, wastewater treatment
- Non-Wood Pulping
- Pelletization/Briquetting

**Benefits:**

- Rapidly renewable material
- Increased composite stiffness
- Sustainably grown and processed in USA
- Highly absorbent, light weight

## PRODUCT SPECIFICATION

**Source material: Hemp**

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



USDA Organic-Certified hurd available

## PARTICLE SIZE

Material	Product I.D.	Mean Particle Size (mm)		Acceptable Particle Distribution				Fiber%
				US Sieve Size				
				8	30	60	pan	
				OPG. (mm)				
				> 2.36	> 0.60	> 0.25	> 0	
Milled Hurd 30	9091123	1.063	Max.	30%	100%	25%	1%	
			Min.	0%	50%	0%	0%	
Milled Hurd 60	9091105	.353	Max.	1%	10%	100%	25%	
			Min.	0%	0%	55%	0%	
Milled Hurd 99	9091087	0.183	Max.	1%	3%	20%	100%	
			Min.	0%	0%	0%	50%	
Fine Hurd Blend	9091202	0.43	Max.	1%	25%	25%	100%	20%
			Min.	0%	10%	10%	50%	5%

Weight Range per Mesh (ASTM D1921)

