



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 expect to be free from dust and foreign materials.

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 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.**



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 ³
Moisture Content	6 - 10%
Fiber Content	< 5%



USDA Organic-Certified hurd available

- Pure, natural hemp hurd
- Sustainably-sourced
- Compostable & Biodegradable
- **Chemical-free (REMOVE)**

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 00	8891043	4.86	Max.	100%	75%	5%	1%	
			Min.	25%	10%	1%	0%	
Milled Hurd 10	9091173	1.467	Max.	10%	100%	10%	1%	
			Min.	0%	75%	1%	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%

Varies in color from light brown/beige to dark brown/grey, expected to be free of dust and foreign materials. Weight Range per Mesh (ASTM D1921)

