



Foundry Core Burnout

Corn Cob — the “natural” ingredient for green sand casting

The natural qualities of corn cob allow its use as a compression burnout material in green sand casting. The high BTU value and low ash content make corn cob a viable burnout material in bond formulas.



Why Corn Cob?

- All-natural, bio-degradable
- Size range from coarse to fine
- Silica free
- USDA Bio-Preferred product
- Product of U.S.A.

Multi-Application

Cob has been successfully used as a premix component with sea-coal and directly in green sand casting. It works with both ferrous and non-ferrous metals. Mesh size choices and natural attributes of the cob material can help improve casting finish quality.

The Andersons corn cob is used for many applications within the metal finishing industry for polishing and deburring parts.

Physical Properties

Ash Content	1.6%
BTU Value	7500
Moisture	<10%
Cellulose Content	35-47% (hardwood is 50%)
Carbon Content	44% (same as kiln dried hardwood)
Compression Strength	52,000 PSI
pH	7.4

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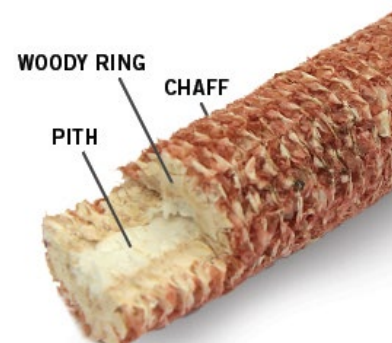
The Right Material for Your Application

For any cob grade selected, the moisture content is equivalent to other cellulosic materials and provides equivalent rapid loss on ignition. Moisture control is important to maintaining green sand mold integrity. Cob material made from the hard woody ring is less absorbent than those sizes made from the pith chaff part of the cob. The cob is available in coarse to fine US Standard sieve sizes.

Depending upon the moisture requirements of the bond formula and the cast part's size and finish, Andersons Cob has the right burnout compression material for your application. Call The Andersons today at **419-891-6611** for samples and more information, or visit www.andersonscob.com for more industrial applications for corn cob. If your bond formula calls for burnout material — give us a call!

Cob Grades Available:

Product Mesh Size	Moisture Content	Bulk Density Per CF	Hard Woody Ring	Pith / Chaff
10/14	<10%	27-35	x	-
20/40	<10%	18-26	x	-
-40	<10%	19-24	x	-
1040XRP	<10%	25-35	-	x
-40DZ	<10%	16-24	-	x
820L	<10%	4-10	-	x
820H	<10%	11-15	-	x
-20L	<10%	17-21	-	x
-100L	<10%	10-16	-	x



Packaging Options:

Product Mesh Size	Bag	Bulk Bag	Bulk Truck	Railcar
10/14	50 lbs	x	x	x
20/40	40 lbs	x	x	x
-40	40 lbs	x	x	x
1040XRP	40 lbs	x	x	x
-40DZ	40 lbs	x	x	x
820L	1.7 CF	x	x	N/A
820H	1.7 CF	x	x	x
-20L	N/A	x	x	N/A
-100L	N/A	x	x	N/A



Made of 100% all-natural corn cobs,
these products are
USDA BioPreferred listed

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