



## Blasting with Corn Cob Grit

<i>Finishing</i>	<i>Cleaning / Removal</i>	<i>Peening</i>	<i>Surface Profile (Etch)</i>	<i>Working Speed</i>	<i>Recyclability</i>	<i>Probability of Metal Removal</i>	<i>Hardness MOH Scale</i>	<i>Bulk Density (lb/cu ft)</i>	<i>Mesh Size</i>	<i>Typical Blast Pressure</i>	<i>Shape</i>
No	Yes	No	Yes	Low	V-Low	V-Low	1-4	40-80	8-60	20-40	◇

### CORN COB ABRASIVE AND DRYING MEDIA

Corn Cob Grit is organic, non-toxic, biodegradable and a USDA Bio-Preferred Product – an effective, eco-friendly option for your abrasive media needs. It's tough enough for soft-grit blasting yet gentle enough for health and beauty products.

Corn cob abrasive is used in Vibratory and Tumbling applications to dry and polish without becoming lodged in or stuck on manufactured pieces like

- Ball bearings
- Springs
- Cutlery
- Molded plastics
- Pipe fittings
- Metal die castings
- Buttons
- Golf club heads
- Nuts and bolts
- Wire brads
- Jewelry
- Computer chips
- Optical glass
- Rivets

PRODUCT	#8	#1	#2	#3
U.S. Screen Size	%	%	%	%
+8	.9			
+10	39.7	Trace		
+14	56.99	85.0	5.0	
+20	2.4	14.0	79.6	0.8
+30				
+40			15.0	95.2
+50				
+60				3.7
+80				

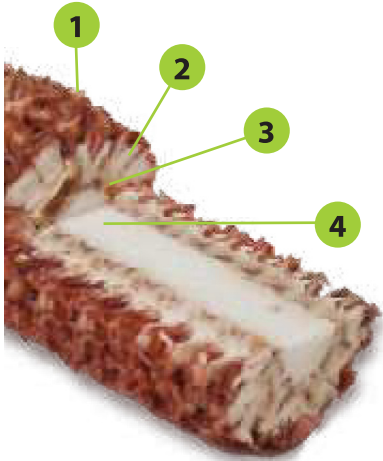
Corn Cob Grit can also be used in various mesh sizes for:

- Absorbing oils, greases and dirt from manufactured pieces
- Barrel finishing and removal of burrs
- Absorbing rinse waters remaining on electroplated pieces in tumbling dryers
- Silica-free soft grit blasting for cleaning carbon, oil and products of corrosion from cylinders, pistons and other engine/electric motor parts
- Silica-free soft grit blasting of log homes resulting in the cleaning and refinishing of natural wood homes
- Abrasives in exfoliants, hand cleansers and other health & beauty products



# PRODUCT SPECIFICATION SHEET

At The Andersons our unique processing provides the most accurately screened, sized and air-washed grit in the industry. We process corncobs into grit, flour, and beeswing products utilizing every portion of the corncob. Our strict management of quality control ensures product consistency and our customers' satisfaction! Please remember ... if you don't see exactly what you need, we pride ourselves in custom production, bagging and blending.



1. Beeswing
2. Chaff
3. Woody Ring
4. Pith

### A Closer Look...

The most absorbent parts of the corncob are the pith, the chaff and the beeswing. The hardest part of the corncob, useful for abrasive applications, is the woody ring.

### Proximate Analysis

Protein	3.0%
Fat	0.5%
Crude Fiber	34.0%
NFE	55.0%
Ash	1.5%
Moisture	8.0%
Specific Gravity - 1.0 to 1.2	PH-5
Solubility in Alcohol	5.6%
Solubility in Water	9.0%
Solubility in Benzene	0.4%
Max. Long Term Service Temperature	250°F

### Elemental Analysis

ELEMENT	PERCENTAGE
Carbon	44.0
Hydrogen	7.0
Oxygen	47.0
Nitrogen	0.4
Trace Element	1.5

### Typical U.S. Standard Screen Analysis

PRODUCT	#8	#1	#2	#3	#30/60	#30/80	#6HWR	#100HWR	#40/60	#60/100	#-80
U.S. Screen Size	%	%	%	%	%	%	%	%	%	%	%
+8	.9										
+10	39.7	Trace									
+14	56.99	85.0	5.0								
+20	2.4	14.0	79.6	0.8			0.2				
+30					0.7	17.7	5.6				
+40			15.0	95.2	48.2	41.0	7.4		1.4	0.01	
+50					38.4	29.8	10.8		72.6	0.3	
+60				3.7	6.5	5.5	10.5	8.0	15.5	5.1	
+80					3.4	3.0	15.6	17.0	8.5		0.01
+100								75.0		85.59	1.1
% Passing through smallest screen shown above Bulk density lb. cu ft. +/-2	0.01 29	1.0 29	0.4 29	0.3 25	2.8 23.7	3.0 22	49.9 22	- 20	2.0 19	9.0 19	98.89 17

### Product Specification Guide

Product	
MAIZORB	GRIT-O'COB
Cob Grit #3/8	+8
Cob Grit #5/8	-
Cob Grit #6/8	-
Cob Grit #10/20	-
Cob Grit #10/40	-
Cob Grit #14/40	14/40
Cob Grit #30/60	-
Cob Grit #40/60	40/60
Cob Grit #30/80	-
Cob Grit #1	10/14
Cob Grit #2	14/20
Cob Grit #3	20/40
Cob Grit #8	8/14
Cob Grit #30/50	-
#100 HWR	-80
#6 HWR	-20
#40/60	40/60
#60/100	-
#-80	-80
FLOUR AND BEESWING	
-20 Beeswing	-
8/20 BPC	8/20
PC Flour	-
-50/+100 Beeswing	-
-100R	-
-150 Cob Flour	-
TOXI-DRI	STABL-COB®
4-ft absorbent tube	-
10-ft absorbent tube	-
Crumbles	Crumble
Pellets	4 Pell

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