



Technical Data Sheet

Material Composition

Oxide	CAS Number	Weight %
Silicon Dioxide	7631-86-9	40-45
Calcium Oxide	1305-78-8	28-33
Magnesium Oxide	1309-48-4	8-13
Aluminum Oxide	1344-28-1	8-13
Iron Oxide	1345-25-1	0.5-1.5

Physical Properties

Property	Value
Mohs Hardness	7
Particle Shape	Angular/Rounded
Color	Black, gray
Melting Temperature	1,150 °C / 2,102 °F
Material Specific Gravity	2.7-2.9
Bulk Density – EpiX EP	100-110 lb/ft ³
Bulk Density – EpiX MP	100-110 lb/ft ³
Bulk Density – EpiX LP	100-110 lb/ft ³

Quality & Safety Parameters

Property	Value
Crystalline Silica	Not Detected (NIOSH Method 7500)
Beryllium	Not Detected (SSPC-AB1 Section B.4.1)
Conductivity	40-150 μS/cm
Moisture	0.0 - 0.05%
Oil Content	None
Loss on Ignition (LOI)	<0.3%
Dust	Low

Environmental

EpiX abrasives contain no hazardous materials and are not regulated for transportation or disposal. TCLP data below.

Metal	Method	Value (mg/L)	EPA Limit
Mercury	EPA 7471B	<0.0005	0.200
Arsenic	EPA 6010D	<0.08	5.00
Barium	EPA 6010D	0.217	100
Cadmium	EPA 6010D	<0.08	1.00
Chromium	EPA 6010D	<0.2	5.00
Lead	EPA 6010D	<0.08	5.00
Selenium	EPA 6010D	<0.08	1.00
Silver	EPA 6010D	<0.08	5.00

Less-than sign (<) signifies below the detection limit of the test method used.

Product Options

EpiX EP	<ul style="list-style-type: none"> • Replaces aluminum oxide 46 to 60 grit • Corrosion, coating, & mill scale removal • Extra hard or tough coatings • Oil, dirt, and grease removal • Stone cutting & engraving • Safe for stainless steel • Ultra-low dust & embedment • Significantly delayed rust bloom • 100 psi or higher recommended for fastest blast • Reusable 4-8 times
EpiX MP	<ul style="list-style-type: none"> • Replaces aluminum oxide 70 to 90 grit • Corrosion, coating, & mill scale removal • Extra hard or tough coatings • Oil, dirt, and grease removal • Stone cutting & engraving • Safe for stainless steel • Ultra-low dust & embedment • Significantly delayed rust bloom • 100 psi or higher recommended for fastest blast • Reusable 6-12 times
EpiX LP	<ul style="list-style-type: none"> • Replaces aluminum oxide 100 to 120 grit • Coating & mill scale removal • Weld cleaning • Oil, dirt, and grease removal • Surface etching • Safe for stainless steel • Ultra-low dust & embedment • Significantly delayed rust bloom • Reusable 6-12 times

Packaging Options

- 50 lb. bags
- 2,000 lb. super sack
- 4,000 lb. super sack
- Bulk truck

Use Instructions

- Use personal protective equipment as required.
- Maintain pressure at the nozzle above 100 psi for fastest stripping. Performance improves up to 125 psi or higher.
- Check nozzle opening regularly for wear.
- Adjust abrasive pot metering valve starting fully closed until stripping speed levels off. Elevated dust and slower stripping indicate metering valve is too open.



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