



DURAMAX



DURAMAX by Ecomaterials
BE BRILLIANT. GO GREEN

**ECO-FRIENDLY
REUSABLE
LOW DUSTING
HARD AND FAST
MEET THE SSPC AB-1
STANDARD**



DURAMAX ABRASIVES
BE BRILLIANT. GO GREEN



Ecomaterials Inc.



+1 877 589 0694



www.ecomaterials.net

GENERAL PRODUCT INFORMATION

DURAMAX is made via world leading technology. With high compressive strength and high hardness, it is an ideal abrasive. An eco-friendly material certified by environmental agencies that produces low dusting rates, it is clean and safe to use.

ISO Standard: In compliance with International Standard 11126-6 for abrasives.

CHEMICAL ANALYSIS

Element	Test Result [wt%]
Antimony	0.00068
Arsenic	0.00060
Barium	0.0336
Beryllium	0.00022
Cadmium	0.00003
Chromium (VI)	not detected
Chromium	0.057
Cobalt	0.002

Element	Test Result [wt%]
Copper	0.00028
Lead	0.00052
Mercury	0.0003
Molybdenum	0.0001
Nickel	0.0002
Selenium	0.0005
Silver	0.0002
Zinc	0.0015

PHYSICAL PROPERTIES

Characteristic	Test Result	Requirement	Test Method
Apparent Density [lb/ft ³]	215 - 225	n/a	ISO 11127-3
Loose Bulk Density [lb/ft ³]	144	n/a	–
Hardness [Mohs]	7.5	Min. of 6	ISO 11127-4
Moisture	0.06%	Max. of 0.2%	ISO 11127-5
Conductivity of Aqueous Extract	12 mS/m	Max. of 25 mS/m	ISO 11127-6
Water-soluble Chlorides	10 ppm	25 ppm	ISO 11127-7
Total Crystalline Bulk Silica	0.3%	<1% (not detectable)	–
Particle Shape	Sub-angular / angular	–	–
Colour	Black	–	–
Corrosiveness	Duramax is inert	–	–

STANDARD PARTICLE SIZES

Duramax is available as a sub-angular material – see table for characteristics.

Particle size and distribution in compliance with ISO Standard 11127-2.

Oversize and Undersize fractions are max. 10% and max. 5% respectively.

Size [Mesh]	Particle Size [mm]	Est. Surface Profile Range [microns]	Est. Consumption [kg/m ²]	Surface Finishing	Applications
80 – 30	Under 0.6	40 – 80	10 – 15	SA 3	Petrochemical Oil & Gas
45 – 20	0.2 – 0.8	70 – 90	15 – 20	SA 3	
30 – 18	0.6 – 1.0	100 – 110	25 – 30	SA 2.5	Ship Building Ship Repair
30 – 10	0.6 – 2.0	110 – 120	30 – 35	SA 2.5	
Only for US:					
04 – 10	2.0 – 5.0	–	–	–	Crushing, aggregate, heavy weight material



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APPLICATIONS IN INDUSTRIES



80-30 Mesh



45-20 Mesh



30-18 Mesh



30-10 Mesh

STANDARD PACKAGING

- **Jumbo Bags:** with PE inside liner, wt 1.25 – 1.5 M.T. (depending on customer requirements).
- **22.5 kg Bags:** shrink-wrapped, on pallets of 1.25 M.T.

FIRE & EXPLOSION HAZARD DATA

- **Flash Point:** n/a
- **Flammable Limits:** n/a
- **Extinguishing Media:** n/a
- **LEL (Lower Explosion Level):** n/a
- **Special Fire Fighting Procedures:** n/a
- **UEL (Upper Explosion Level):** n/a
- **Unusual Fire & Explosion Hazards:** None known

WASTE DISPOSAL AFTER USE

- **Waste Classification:** Duramax is generally classified as a non-scheduled waste (apart from residues resulting from surface preparation).
- **Recycling:** Used material can be recycled.

REACTIVITY

- **Stability:** The material is stable
- **Hazardous Polymerization:** Does not occur
- **Odour:** None

STORAGE & HANDLING

- **Dust:** Respirable dust may be generated during processing, handling.
- **PPE:** Personal protection and dust controls should be applied.
- **Storage:** Keep product dry until required for effective use.

MANUFACTURER INFORMATION

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