

DURALUM P BLASTYTE® GRAIN

General Inquiries

Europe

Tel: +44(0)161-848-0271
info@washingtomills.com
www.washingtomills.com

North & South America

Tel: 1-800-828-1666

Washington Mills

North Grafton, Inc.

P.O Box 428
20 North Main Street
North Grafton, MA 01536
Tel: 508-839-6511
Fax: 508-839-7675
Email: info@washingtomills.com

Washington Mills

Electro Minerals Corp.

P.O Box 423
1801 Buffalo Avenue
Niagara Falls, NY 14302
Tel: 716-278-6600
Fax: 716-278-6650
Email: info@washingtomills.com

Washington Mills

Electro Minerals Corp.

P.O Box 1002
7780 Stanley Avenue
Niagara Falls, Ontario L2E 6V9 Canada
Email: info@washingtomills.com

Washington Mills

Tonawanda, Inc.

1000 E. Niagara Street
Tonawanda, NY 14150
Email: info@washingtomills.com

Washington Mills

Electro Minerals Ltd.

Mosley Road, Trafford Park
Manchester M17 1NR England
Email: info@washingtomills.com

Washington Mills Hennepin, Inc.

13230 Prairie Industrial Parkway
Hennepin, IL 61327
Email: info@washingtomills.com

Washington Mills AS

NO-7300
Orkanger, Norway
Email: wmas@washingtomills.no

DESCRIPTION

A medium density, medium Titania regular brown fused alumina. It is superior to natural abrasives such as silica sand and flint and in some instances is preferable to chilled iron and steel shot. Lots of extremely sharp cutting points results in high power penetration, coupled with long life and reusability, due to its extreme toughness.

Duralum Blastyte's® is processed in England from Virgin Brown Fused Alumina made in closely controlled fusion plants and meet the Rolls Royce CSS-12 and MOD quality requirements. Production is controlled by the Quality Management System of BS EN ISO 9001.

APPLICATIONS

Typical uses include: - Removal of foundry sand from castings, Preparation of metal surfaces for painting, Electroplating, Enamelling or bonding of plastics/rubber etc. Removing fillets, feather edge and metal fuzz from grinding; Etching surfaces for metal spraying; Production of opaque designs on glass and pressure blasting of granite, marble and stone.

In applications for work pieces such as aero engines or stainless steel components where an abrasive free from metallic lead and iron is required, then Blastyte P® quality must be used.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	96.12%
SiO ₂	0.67%
TiO ₂	2.70%
Fe ₂ O ₃	0.11%
MgO & CaO	0.40%

RECOMMENDED GRIT SIZES TO USE

Coarse grit sizes 14/24,20/24, and 24/30 can be used on steels and cast iron which need cleaning or roughing up in readiness for subsequent treatment, except on plates of 1.5mm or less. Medium grit sizes 60/80, 60/120, and 80/120 can be used on brass, aluminium, alloy castings, and soft ductile metals. Fine finishes on glass, plastic moulds, and other metals can be obtained using finer grit sizes 120/220,180/220, etc. Straight grits can also be used effectively.

Best results are usually obtained if the nozzle tip is held 100-150mm from the workpiece and at an angle of 45° to the surface.

This product information is NOT a specification. It is offered in good faith only as a general description of the product. Washington Mills makes no warranty of merchantability or of fitness for any particular purpose. The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.

updated 1-17

WASHINGTON MILLS

www.washingtomills.com

DURALUM P BLASTYTE® GRAIN (PG.2)

THE CROSS GRIT SIZE RANGE FOR P® QUALITIES IS AS FOLLOWS

GRIT SIZE	FORMER DESIGNATION	ASTM MESH	MESH APERTURE	GRIT SIZE SPECIFICATION
14/24	No1	+8	2.36mm	Nil
		+12	1.70mm	20% max
		+35	0.50mm	75% min
		<35		3% max
20/24		+12	1.70mm	Nil
		+16	1.18mm	20% max
		+35	0.50mm	75% min
		<35		3% max
24/30		+16	1.18mm	Nil
		+20	0.85mm	25% max
		+40	0.42mm	70% min
		<40		3% max
30/40	No2	+18	1.00mm	Nil
		+25	0.71mm	15% max
		+40	0.42mm	75% min
		<40		15% max
40/60		+20	0.85mm	Nil
		+30	0.60mm	15% max
		+50	0.30mm	75% min
		<50		15% max
60/80	No3	+30	0.60mm	Nil
		+40	0.425mm	15% max
		+100	0.15mm	75% min
		<100		15% max
60/120	No3/4	+40	0.425mm	Nil
		+50	0.30mm	30% max
		+230	0.063mm	65% min
		<230		3% max

This product information is NOT a specification. It is offered in good faith only as a general description of the product. Washington Mills makes no warranty of merchantability or of fitness for any particular purpose. The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.

WASHINGTON MILLS

www.washingtonmills.com

DURALUM P BLASTYTE® GRAIN (PG.3)

THE CROSS GRIT SIZE RANGE FOR P® QUALITIES IS AS FOLLOWS (CONT.)

GRIT SIZE	FORMER DESIGNATION	ASTM MESH	MESH APERTURE	GRIT SIZE SPECIFICATION
80/120	No4	+50	0.30mm	Nil
		+70	0.212mm	15% max
		+140	0.106mm	75% min
		<140		15% max
120/150		+80	0.180mm	Nil
		+120	0.125mm	10/20%
		+230	0.063mm	75% min
		+270	0.053mm	
		<270	0.053mm	3% max
120/220	No5	+80	0.180mm	Nil
		+120	0.125mm	15% max
		(+120 & 230)	0.063mm	75% min
		<230		15%
150/220		+100	0.150mm	Nil
		+140	0.106mm	15% max
		+325	0.045mm	70% min
		<325		
180/220	No6	+120	0.125mm	Nil
		+170	0.090mm	15% max
		(+170, 270, & 325)	0.045mm	60% min
400R		+200	0.075mm	Nil
		+270	0.053mm	5% max
		+325	0.045mm	
		<325		85% min

This product information is NOT a specification. It is offered in good faith only as a general description of the product. Washington Mills makes no warranty of merchantability or of fitness for any particular purpose. The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.

WASHINGTON MILLS

www.washingtonmills.com