

PLASTIC MEDIA

Description

Plastic Media is a non aggressive granulated plastic abrasive for use in applications where the underlying substrate cannot be damaged. Plastic Media is used for coating removal and stripping, cleaning, deburring and deflashing.

Plastic Media is produced in a variety of plastic types, hardness's and sizes to suit the application. Plastic Media can be used on soft and thin substrates, composites, aluminium, fiberglass and delicate parts without causing damage to the part.

Applications

Dry stripping of coatings from aluminium, composite and steel aeronautical structures and components, ie fuselage, landing gear, engine casing and engine blades.

Removal of powder coatings from aluminium and steel components without damage to underlying substrate or galvanized coating. Selective layer paint removal.

Deburring and deflashing of electronic components incl. resin bleed removal from leadframes. Mould cleaning and automotive paint removal.



Size in Details

Grit No.	12/16	12/20	16/20	20/30
Size in inch	0.047 - 0.066	0.033 - 0.066	0.033 - 0.047	0.023 - 0.033
Size in μm	1200 - 1700	800 - 1700	800 - 1200	600 - 800

Grit No.	20/40	30/40	40/60	60/80
Size in inch	0.017 - 0.033	0.017 - 0.023	0.010 - 0.017	0.007 - 0.010
Size in μm	400 - 800	400 - 600	250 - 400	180 - 250v

Other sizes and specifications available upon request.

Physical Properties

Type	Hardness	Specific Gravity	Bulk Density	Shape	Colour
II - Urea	3.5 Mohs	1.47 - 1.52 g/cm ³	929-961 kg/m ³	Angular	Multi
III - Melamine	4.0 Mohs	1.5 g/cm ³	700 kg/m ³	Angular	Multi
V - Acrylic	3.0 Mohs	1.1 - 1.2 g/cm ³	640 - 800 kg/m ³	Angular	Multi

Specification

Aerospace Manufactured and certified to MIL-P-85891A specifications.
United States Military approved source. Rolls Royce CSS227 - Type C .
Industrial Manufactured to in-house industrial specification. For non Mil Spec requirement use.



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WALNUT SHELL

Description

Walnut Shell is a tough, durable fibrous blasting abrasive manufactured from crushed walnut shells. Walnut Shell is used for cleaning, polishing, deburring, deflashing, metal finishing, paint and coating removal.

Walnut Shell is non toxic and poses no health or environmental hazards. The media may be recycled many times and waste disposal issues are minimized. Walnut Shell will clean plastic, metal and alloy parts without pitting or scratching the surface.

Applications

Deflashing and deburring of moulded plastic and rubber parts without damage to the final products surface. Carbon deposit removal from turbines.

Deburring of machined, die cast and stamped parts manufactured from soft materials ie, aluminium, zinc, tin, composites etc.

Removal of paint, old coatings and unwanted deposits on soft or delicate substrates ie, fiberglass, wood, plastic, composites, old buildings and statues etc.



Size in Details

Grit No.	8/12	14/30	20/30	20/40
Size in inch	0.063 - 0.079	590 - 1410	590 - 1000	0.017 - 0.033
Size in μm	1680 - 2380	0.023 - 0.056	0.023 - 0.039	400 - 800

Grit No.	40/60	30/100	60/100	70/200
Size in inch	0.010 - 0.017	125 - 590	125 - 250	75 - 210
Size in μm	250 - 400	0.005 - 0.023	0.005 - 0.010	0.003 - 0.008

Other sizes and specifications available upon request.

Physical Properties

Hardness	Specific Gravity	Bulk Density	Shape	Colour
3 - 4 Mohs	1.2 - 1.35 g/cm ³	$\approx 350 - 1200\text{kg/m}^3$	Angular	Brown

Specifications

MIL-G-5634	Type 2
AA-1722	Type 3



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