



PGM Grade Vibratory Finishing Media

Description



B.V. Products PGM grade of polyester resin based plastic media is the most popular range of media due to its versatility and relatively low cost. It finds greatest use in the finishing of non-ferrous metals, particularly pre-electroplate, and pre-powder paint finishing.

Abrasive Base

Silica (quartz).

Appearance

Beige solid objects.

Shape & Size Range

Cone: 12mm; 14mm; 18mm; 25mm; 28mm; 37mm, 50mm

Tetra: 25mm. 40mm

Tri-star: 40mm; 50mm

Octocone: 50mm

Bulk Density

0.9kg/L for 25mm conical media.

Depreciation

Nominal depreciation is approximately 2.0% by weight every 24 hours of use. Tests were conducted using a 280 litre (10 cu. ft.) bowl vibrator running on 50Hz supply, and vibration amplitude of 6mm (0.25") with flow through method of compound and water.

Applications

The major uses of PGM grade media are in the pre-plate and pre-paint finishing of zinc based die castings and aluminium alloys. More recently, great use has been made of this media in the finishing of brass tap ware that has had some preparatory finishing and the pre-cleaning of copper fittings prior to burnishing.

A high standard of finish can be achieved on die-castings of reasonable standard in 1.5 to 2 hours using standard bowl vibrators. Finishes are enhanced by the use of "flow through" finishing technology - this is the method in which compound and water is metered accurately into the finishing mass and out to waste in a non-recirculating mode. Flow through reduces the build up of the white, corrosive deposits that silica base abrasive medias are prone to leaving on zinc and aluminium die-castings. This can be further reduced by the use of our JDS cleaning and inhibiting compound.

Packaging

25kg white, polythene lined woven polypropylene sacks.