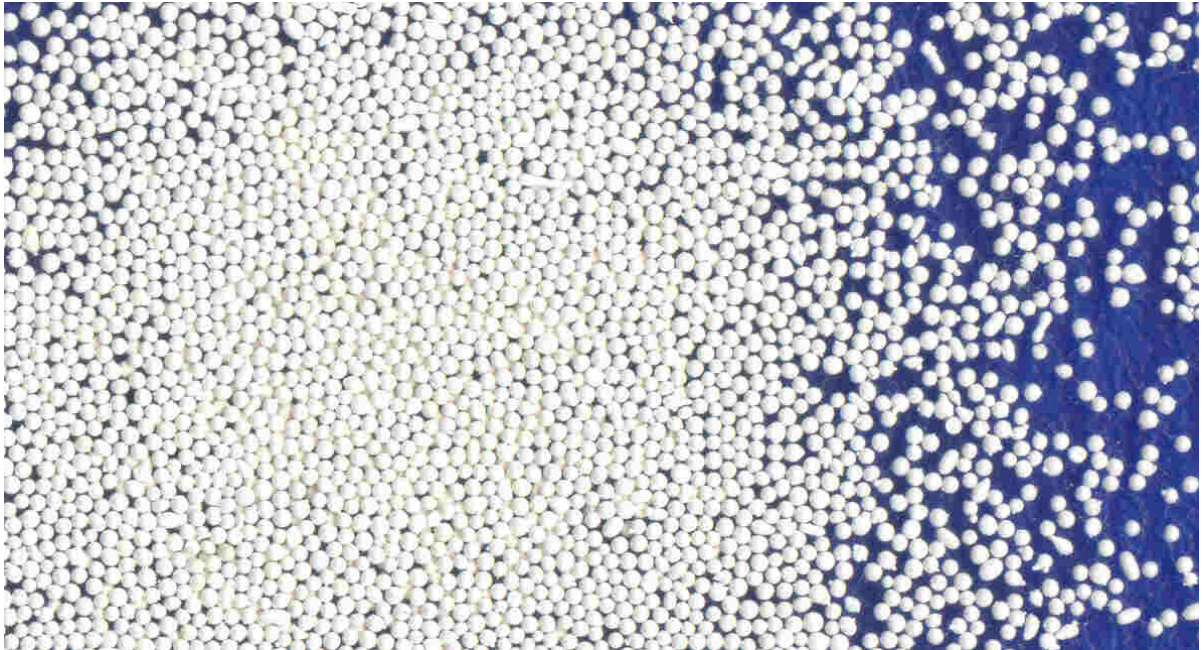


Ceramic Beads



Description

Ceramic Beads are a spherical blasting and peening media produced by the fusion of oxides at a very high temperature. Ceramic Beads are extremely tough and fracture resistant, ensuring consistent peening intensities and surface finishes.

Ceramic Beads are available in two grades, one designed for impact surface treatment and the other for shot peening applications. A variety of sizes are available for finishing, peening, deburring, cleaning and descaling ferrous and non ferrous parts.

Applications

Removal of carbon deposits and other impurities from glass making and rubber tire moulds, without damaging the surface or critical edges. Deburring thin gaskets.

Shot peening ferrous and non ferrous items including aircraft engine blades, blisks, turbines etc. Internal and external thread peening. Plasma coating compacting.

Cleaning, sanitizing and surface finishing of fabricated stainless steel items for food and pharmaceutical industries. Medical implant and instrument surface finishing.

Size Details

Bead No.	B205	B125	B120	B60	B40	B30	B20
Size in μm	0 - 63	0 - 125	63 - 125	125 - 250	250 - 425	425 - 600	600 - 850

Bead No.	Z100	Z150	Z210	Z300	Z425	Z600	Z850
Size in μm	100 - 150	150 - 210	210 - 300	300 - 425	425 - 600	600 - 850	850 - 1180

*B designation = impact surface treatment beads
Z designation = shot peening beads*

Physical Properties

Hardness	Specific Gravity	Bulk Density	Shape	Colour
60 - 65 HRC	3.85 g/cm ³	\approx 2300kg/m ³	Spherical	White

Typical Chemical Composition

ZrO ₂	SiO ₂	Fe ₂ O ₃	Others
67%	31%	\leq 0.1%	2%

Specifications

AMS-2431	AMS-2431/7	AMS-S-13165	SAE-J1830	SPOP 500	GE 70-47-01
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