

Cryogenic Deflash Media-PC

Technical Data Sheet

11/2024

📦 Cryogenic Deflash Media-PC

Cryogenic Deflash Media-PC are high-performance sandblasting particles made of polycarbonate monofilaments. They are widely used to remove burrs on molds, plastics, rubber, composite materials, and other products. They can be used in low-temperature and normal-temperature sandblasting operations.

- Resistant to working environments of minus 80 degrees Celsius
- Efficient operation, significantly shortening the processing cycle.
- Uniform media size to avoid equipment wear or clogging.
- Non-toxic and dust-free, will not leave any residue.
- More suitable for workpieces with complex shapes and stubborn burrs than PA6.
- Extremely high impact strength and more durable under high-speed sandblasting.
- Use with liquid nitrogen cryo-finishing machine to save labor costs.
- Certified with ISO 9001 and ISO 14001 standards.

📄 DESIGNATION AND AVAILABLE SIZES

Part Designation	Inches	Millimeters	Part Designation	Inches	Millimeters
	length x width x diagonal	length x width x diagonal		length x width x diagonal	length x width x diagonal
PC-60	.060 x .060 x .085	1.52 x 1.52 x 2.15	PC-25	.025 x .025 x .035	0.625 x 0.625 x 0.875
PC-45	.045 x .045 x .063	1.14 x 1.14 x 1.61	PC-20	.020 x .020 x .028	0.50 x 0.50 x 0.72
PC-30	.030 x .030 x .042	0.76 x 0.76 x 1.07			

🔍 PHYSICAL PROPERTIES

	Numerical Value
Texture of Material	Polycarbonate+antistatic
Grain Shape	Cylinder/Hexahedron
Particle Color	Translucent Milky White/Yellow/Red/ Green
True Specific Gravity	1.461-1.53
Bulk Density	0.93-0.96g/cm ³
Stretching Force	750kg/cm ²
Bending Stress	1000kg/cm ²
Water Absorption Rate 23°C	1.8
Molding Shrinkage Rate	1.2-1.5
Surface Resistivity	<10 ⁹
HDT	205°C
Melting Point	220°C
Smell	Odorless
Iron Content	0.05

🔧 MAIN APPLICATIONS

- Remove burrs from circuit boards, sensors, and other parts;
- Surface cleaning and burr removal of electronic components;
- Remove burrs from lamp housings, seals, and instrument panel components;
- Deburring of spacecraft parts such as aluminum alloys and titanium alloys;
- Deburrs optical components to keep surfaces smooth.



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📦 PACKAGING

- 25kg PE bag + box + pallet
- Larger size bags available upon request