



LiteBlast™

Cryogenic Deflash Media

KG • KC • BT

Fast Deflashing • Lower Cycle Time • High Efficiency



KG • Cryogenic Cylindrical Polycarbonate

- Cylindrical, white / opaque
- Rubber-part deflashing
- Low-temperature / high-RPM shot blast



KC • Cryogenic Cubical Polycarbonate

- Cubical, translucent
- Rubber-part deflashing
- Low-temperature / high-RPM shot blast



BT • Engineered Cylindrical

- Blue engineered plastic
- Rubber / plastic deflashing
- Metal deburring

Cryogenic Media — Available Sizes

KG grade	Inches (L × W × diagonal)	Millimeters
KG-150	.060 × .060 × .085	1.52 × 1.52 × 2.15
KG-114	.045 × .045 × .063	1.14 × 1.14 × 1.61
KG-100	.038 × .038 × .054	0.96 × 0.96 × 1.35
KG-075	.030 × .030 × .042	0.76 × 0.76 × 1.07
KG-050	.020 × .020 × .028	0.50 × 0.50 × 0.72
KG-040	.015 × .015 × .021	0.38 × 0.38 × 0.54

KC grade	Color	Inches	Millimeters
KC-50	Clear / no tint	.050 cube × .087	1.27 cube × 2.20
KC-45	Blue translucent	.045 cube × .078	1.14 cube × 1.99
KC-40	Blue translucent	.040 cube × .069	1.00 cube × 1.73
KC-30	Blue translucent	.030 cube × .050	0.76 cube × 1.30

BT grade	Inches (L × W × diagonal)	Millimeters
BT-60	.060 × .060 × .085	1.52 × 1.52 × 2.15
BT-45	.045 × .045 × .063	1.14 × 1.14 × 1.61
BT-38	.038 × .038 × .054	0.96 × 0.96 × 1.35
BT-30	.030 × .030 × .042	0.76 × 0.76 × 1.07
BT-20	.020 × .020 × .028	0.50 × 0.50 × 0.72

Cryogenic Deflashing Process Notes

The manufacturing-source literature describes cryogenic deflashing using turbine wheels at approximately **6,000–10,000 RPM**. Liquid nitrogen can bring process temperatures to about **–300°F / –184°C**, freezing flash at mold parting lines so media impact removes excess material. Typical source-stated cycle times are approximately **3–5 minutes**, after which parts return to room temperature without signs of flash or damage.

PB spherical polystyrene is identified by the source as the softest and most delicate cryogenic-grade option for sensitive rubber-molded parts, while **KG** and **KC** are positioned for broader rubber deflashing and high-speed cryogenic operation.



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Quick Selection Matrix

Application	Recommended LiteBlast™ families	Why
Delicate rubber deflashing	PB / KC	Soft cryogenic or cubical cryogenic options.
General rubber deflashing	KG / KC / BT	High-speed cryogenic operation.
Thermoset appearance parts	KA / PC	Engineered nylon or cylindrical polycarbonate options.
Sensitive small plastic parts	PB	Spherical, small, soft media.
Tougher plastic deflashing	PC / BT	Cylindrical engineered media.
Electronic resin bleed / flash	EG / MC / MS / WBM	Multiple nonmetallic cleaning grades.
Mold & die cleaning	MC / MB / AC / EG	Range of hardness and granulated sizes.
Feed screw cleaning	MC / MB	Granulated media for buildup removal.
Paint / powder stripping	MB / MS / AC	From broad-use to softer sensitive-substrate grades.
Light metal deburring	KA / BT / PC / WBM	Nonmetallic deburring with surface preservation.

Process Guidance from Manufacturing-Source Literature



Air blast: plastics deflashing can use nozzle pressures up to approximately 90 PSI / 6 bar.



Cryogenic: liquid nitrogen temperatures may reach approximately -300°F / -184°C in the source process description.



Wheel blast: high-speed turbines are cited up to approximately 6,000 RPM for plastics and up to 10,000 RPM in cryogenic rubber deflashing.



Cycle time: several deflashing and deburring examples are approximately 3–5 minutes, depending on part and process.

Important Technical Note



Pan-facing names KA, KG and KC are Pan Abrasives commercial designations. Internal source cross-reference is KA = PA/PAC, KG = CG and KC = CGTC. This brochure retains customer-facing LiteBlast™ branding while preserving supplier traceability for procurement, QA and technical validation.

Recommended Pan Abrasives Ordering Structure

Family	Example Pan stock-code pattern	Internal source anchor / example
KA	ALB-KA-[GRADE]	PA / PAC (example ALB-KA-100)
PB / PC / BT	ALB-[FAMILY]-[GRADE]	PB-2 / PC-45 / BT-30
KG	ALB-KG-[GRADE]	CG (example ALB-KG-050)
KC	ALB-KC-[GRADE]	CGTC (example ALB-KC-45)
AC / EG / MC / MS	ALB-[FAMILY]-[GRADE]	ALB-MC-3
MB / WBM	ALB-[FAMILY]-[GRADE]	ALB-MB-20/40

Brand architecture: all media should be presented publicly as LiteBlast™ products. Supplier trade names are intentionally omitted from customer-facing pages; the technical grade code remains the cross-reference anchor for procurement, QA and traceability.