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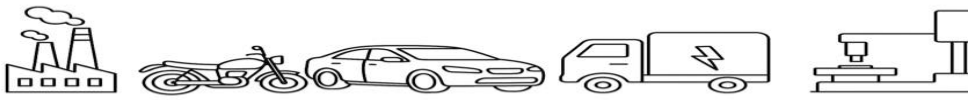

# Shot Beads B101

**Shot Beads Lubricants for Die-Casting and other applications**

**Punch lubricating particles, which are available in both graphite-containing and graphite-free varieties. The particle sizes are classified as 0.1-1.5mm, 1.5-2.0 mm, and 2.0-3.0 mm. They melt and rapidly expand at the top of the injection sleeve and injection head, forming an excellent lubricating film inside the injection sleeve through their superior capillary effect. They are easy to use and do not require the traditional oil-based or water-based drop pump or spray systems.**

## Applications

**1.** Due to its excellent external lubrication effect and strong internal lubrication effect, as well as its good compatibility with resins such as polyethylene, polyvinyl chloride, and polypropylene,
It can be used as a lubricant in extrusion, calendaring and injection molding processes. It can enhance processing efficiency, prevent and overcome the adhesion of films, pipes and sheets, improve the smoothness and gloss of finished products, and improve the appearance of finished products. As a dispersant for various thermoplastic resin masterbatches and a lubricant and dispersant for filler masterbatches and degradation masterbatches, it can improve the processing performance, surface gloss, lubricity and thermal stability of HDPE, PP and PVC, etc.

**2.** It can be used as lubricants for cable insulation materials, which can enhance the diffusion of fillers, increase the extrusion molding rate, increase the mold flow rate, and facilitate demolding. As rubber processing aids, 2 and 4 can enhance the diffusion of fillers, increase the extrusion molding rate, increase the mold flow rate, and facilitate demolding.

**3.** Good light and chemical resistance, can be used as a carrier for pigments, can improve the wear resistance of paints and inks, improve the dispersion of pigments and fillers, prevent pigments from settling, and can be used as a matting agent for paints and inks.

**4.** As a softener and lubricant for natural or synthetic fibers, it improves wear resistance, tear strength, anti-wrinkle ability and sewing performance of non-iron clothes, reduces needle cutting and adjusts the touch feeling. It can enhance the gloss, durability, hardness and abrasion resistance of paper, increase water and chemical resistance, etc., and improve the aesthetic appeal of paper.

**5.** can be added to various paraffins to enhance their performance. In addition, it can also be used to manufacture shoe polish, candles, crayons, cosmetics, leather agents, hot melt adhesives, etc.

**6.** Main scope of application:

It is widely used in the production of color masterbatches, plastic steel, PVC pipes, hot melt adhesives, rubber, shoe polish, leather brighteners, cable insulation materials, floor wax, plastic profiles, ink, injection molding and other products.

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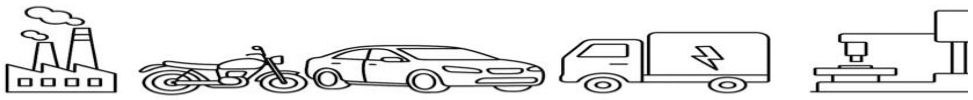

**Benefits**

1. No pollution caused by general oil-based lubricants.
2. Reduces the occurrence rate of gas holes in castings.
3. Extends the service life of the plunger tube and reduces the adverse effects of friction.
4. The service life of the injection head used in die casting is generally twice as long as that lubricated with pure oil.
5. Increases injection speed.
6. No lubricating oil pollution during casting as the particles are completely consumed.
7. No oil stains on the surface of die castings, making them clean and bright.
8. No oil stains, smoke, or air pollution when the runners, and risers are recycled.
9. No need to treat wastewater, no water cooling system, and no need to clean the injection head.
10. Low consumption, saving costs.
11. Improves process safety.
12. Keeps the factory, ceiling, and floor clean, meeting modern green environmental protection requirements.

**Key Properties :**

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| Usage Method | Internal mold release agent |
| Application Grade | Special grade for die lubrication |
| Solubility | Liquid at high temperature, solid at low temperature |
| Wax Contents | 48% |
| Product Specifications | 1.5 mm |
| Main Application | Die lubrication in die casting |

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