

# POLYFUSION INNOVATION PRIVATE LIMITED

Shop No– 5, Jimmy Tower, Sector 18, Plot No 19-21, Koparkhairane, Navi Mumbai, 400709, Maharashtra , India

## Technical Data Sheet

### Rubber Mould Release Graphite power

#### PinnovaX103

PinnovaX Rubber Mould Release Graphite power (PinnovaX 103) is a specially formulated graphite-based release agent designed to create a low-friction, thermally stable coating on moulding surfaces. It employs ultra-fine graphite particles to deliver consistent performance across a wide range of moulding applications.

Property	Specification
Colour	Black
Non-Volatile Content %	30 +/- 2
pH @ 25 <sup>0</sup> C	6-8
Emulsifier Type	Non-Ionic

- **Power of Graphite:** Forms a durable, low-friction barrier between mould surfaces and compound ensuring smooth release even under high heat and pressure.
- **High Thermal Stability:** Operates reliably at elevated temperatures without degradation, carbonization, or residue formation.
- **Enhanced Mould Protection:** Minimizes mechanical wear and chemical exposure, significantly extending the mould's service life.
- **Exceptional Release Performance:** Delivers consistent, effortless demoulding, particularly effective for **black-coloured articles** and complex geometries, Delivers uniform performance across multiple cycles.
- **Enhanced Surface Aesthetics:** Reduces imperfections and enhances surface aesthetics of moulded products.
- **Non-Carbonizing Formula:** Withstands high temperatures without leaving carbon deposits—maintains mould cleanliness and structural integrity.
- **Extended Mould Lifespan:** Provides long-term protection against wear and degradation, keeping moulds in optimal condition for repeated use.
- **Versatile Application:** PinnovaX 103 offers all the proven advantages of PinnovaX 102, with superior performance tailored for critical applications. It delivers enhanced release efficiency and surface fidelity across the manufacturing of diverse rubber compounds—including **EPDM, Silicone, Nitrile, Chloroprene, Viton, and others**.