PinnovaX™

POLYFUSION INNOVATION PRIVATE LIMITED

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Technical Data Sheet

Rubber Mould Release Nano Talc

PinnovaX104

PinnovaX Rubber Mould Release with Nano Talc (PinnovaX 104) is is a next-generation mould release formulation engineered for flawless demoulding and superior surface performance. Reinforced with ultrafine, nano-sized talc particles, this Nano talc powered system delivers excellent lubrication, uniform film formation, and thermal resilience across a broad spectrum of rubber processing environments.

Property	Specification
Colour	Milk white
Non-Volatile Content %	30 +/- 2
pH @ 25^0C	6-8
Emulsifier Type	Non-Ionic

- **Nano-Talc Reinforced Film**: Forms a consistent lubricating layer with advanced thermal resistance, ensuring reliable release across diverse rubber compounds.
- **Clean, Consistent Release:** Prevents sticking and residue buildup, supporting smooth and repeatable demoulding cycles.
- **Enhanced Mould Protection:** Reduces mechanical wear and shields against chemical exposure, extending overall mould service life.
- **Exceptional Release Performance:** Provides effortless release—particularly effective for type of articles and intricate mould geometries. Delivers uniform performance across multiple cycles,.
- **Enhanced Surface Aesthetics:** Minimizes surface defects, ensuring high-fidelity detail reproduction and aesthetic appeal.
- **Non-Carbonizing Formula:** Resists carbon deposits at high temperatures, maintaining mould integrity and cleanliness. .
- **Extended Mould Lifespan:** Offers long-term protection from abrasion and degradation, preserving mould condition for extended use.
- **Versatile Application:** PinnovaX 104 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.

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