

TECHNICAL DATA SHEET Inslogic Flexible 70A Resin



Inslogic Flexible 70A Resin features a rubber-like texture and high flexibility. Engineered for both strength and flexibility, Flexible 70A Resin resists bending, compression, and repeated flexing without breaking down. Its properties make it particularly well-suited for applications requiring cushioning, damping, and shock absorption, ensuring long-lasting performance in demanding environments.

Key Features

- Soft yet strong
- High durability and flexibility
- Superior impact resistance
- Elastomeric and bendable
- Use alone or blend with other Inslogic resins for enhanced mechanical properties

Applications

- Handles, grips, and shoe molds
- Seals, gaskets, and masks
- Cushioning, damping, and shock absorption



Physical Properties

Property	Method	Metric
Density (liquid resin)	ASTM D4052	1.12 g/cm ³
Solid Density	ASTM D792	1.19 g/cm ³
Viscosity (mPa.s, 25 °C)	ASTM D7867	≤2000
Shore D Hardness	ISO868	70A

Mechanical Properties

Property	Method	Metric
Tensile Strength	ISO 527	4 MPa
Elongation at Break	ISO 527	140%



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