

Technical Data Sheet

Electronic & Engineering Materials

CONAP® MR-5012

Mold Release



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CONAP® MR-5012

Product Description

CONAP® MR-5012 is a low viscosity, silicone-based liquid mold release and parting agent.

Areas of Application

CONAP® MR-5012 releases epoxy, polyurethane, polyester and most plastic resins from metal, plastic or other non-porous molds.

Features and Benefits

- Works with room temperature or elevated temperature cures
- Leaves a thin layer after drying for reproduction of very fine details

Transportation / Storage

Store at or below 25°C / 77°F in a dry controlled environment out of direct sunlight. This material should be suitable for use stored under these conditions in the original sealed containers for twelve (12) months from the date of shipment.

Keep containers tightly sealed to minimize evaporation.

Failure to store the product as recommended above may lead to deterioration in product performance.

Health / Safety

Refer to the Safety Data Sheet.

Typical Properties of Material as Supplied

Property	Conditions	Value	Units
Color		water-white	
Viscosity	25°C / 77°F	20	cP
Specific Gravity	25°C / 77°F	0.67	
Solids Content		8	%
Flash Point	ASTM D93	-18 0	°C °F

Application / Curing Schedule

Apply CONAP® MR-5012 to clean molds by dip, brush, spray or slesh. Drain excess release from mold and air dry 10 – 15 minutes or bake 5 minutes at 60°C / 140°F.

For best surface finish of the cast part, lightly buff the inside of the mold with a clean, lint-free cloth after drying the release agent. Apply mold release after each demold cycle.

Clean metal molds with acetone or MEK, and plastic molds with isopropyl alcohol.

The above properties are typical values and are not intended for specification use.

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