

Technical Data Sheet



RLT-RX105

High Performance Silicone Emulsion

DESCRIPTION:

RX105 is high end modified silicone oil with more stable quality than RX104, It contains extreme pressure agents and esters .The color is milk white and light blue, it can be stored for longer than 3 years without layering. RX105 is widely used for die casting release agent. It is superior to conventional silicone fluids when the finished parts are subsequently to be painted, printed, coated or bonded. An outstanding release effect is even obtained when extremely small amounts of the release agent are used. The result is an easy, accurate reproduction of every surface detail of the molded article. RX105 exhibits excellent film forming properties. RX105 is suitable for the production of release agents with high temperature resistance 220-380°C. After the workpiece is demoulded, the machine has less carbon deposit.

PRODUCT DATA

Test Item	Test Standard	Technical Parameter
Appearance	Visual Inspection	clear, colorless to yellowish
Viscosity, kinematic at 25 °C	Viscosity Tester	900 - 1500 mm ² /s
Viscosity, dynamic at 25 °C	Viscosity Tester	800 - 1400 mPa.s
Refractive index at 25 °C	Refractometer	Approximately 1.4640
Density at 25 °C	DIN 51757	0.912 g/cm ³
Volatility (230 °C, 2h)	High Temperature Oven	< 1.5 %

PRODUCT FEATURE

1. Excellent performance of lubricity.
2. Does not affect post-processing performance (such as Painting, electroplating,printing) of castings.
3. Excellent resistance to high temperature, no residues, no smoke on the die andmolded part.

APPLICATIONS

It can be used in many kinds of metal die casting, such as Aluminum, Magnesium,Zinc alloy die casting. It is especially suitable for applications with high dieteratures and for the production of big, heavy and complicated parts.

PACKING SIZE

To be packed in plastic barrel of 20kg, 200kg, 1000IBC

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