

Technical Data Sheet



RLT-RX103 Modified Silicone Emulsion

DESCRIPTION:

RX103 is a modified silicone fluid of medium viscosity whose special chemical structure imbues it with the benefits of silicone fluids and mineral oils.

RX103 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. RX103 exhibits excellent film forming properties.

RX103 is suitable for the production of release agents with temperature resistance 200-320°C.

PRODUCT DATA

Test Item	Test Standard	Test Result
Appearance	Visual Inspection	clear, colorless to yellow liquid
Viscosity, kinematic at 25 °C	Viscosity Test	900 - 1500 mm ² /s
Viscosity, dynamic at 25 °C	Viscosity Test	800 - 1400 mPa.s
Refractive index at 25 °C	Refractometer	approx. 1.4640
Density at 25 °C	DIN 51757	0.912 g/cm ³
Volatility (5g sample, 230°C, 2h)	High Temp Oven Test	< 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 and molded 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 die temperatures and for the production of big, heavy and complicated parts.

PACKING SIZE

20kg small plastic drum, 200kg standard plastic drum, 1000L IBC