

Technical Data Sheet

RLT-6620 High-Pressure Die Casting

Release agent with a well-balanced wax addition for Aluminium and Zinc Die Casting

Description

RLT-6620 is a white emulsion made from pure raw materials and with a well-balanced wax addition. These ingredients have a positive effect on shrinkage during the solidification phase of the castings. Therefore the product is also suitable for older and partly worn out dies.

Parts produced with RLT- 6620 are extremely shiny and accurate with clean surfaces. A clean surface is one of the most important conditions for trouble-free welding, painting and powder coating of the casting.

The release power is excellent. The emulsion is micro-fine and very stable.

Even after many weeks of correctly using RLT-6620 there will be neither sticky residues on the mould frames nor any build-up in the contours of the mould. Core sliders and spray nozzles stay clean.

Application

RLT-6620 is high performance release agent which is targeting for <1600T die casting machine, with average dilution ratio 1:150-200, it is traditional release agent with wax addition. It is a general purpose product, which is suitable for a wide spectrum of casting.

Die temperature range: from 140 to max 350 °C.

The ultimate or ideal dilution ratio for a particular casting is determined by: duration of spray, spray velocity, geometry and complexity of casting as well as the temperature of the tooling. On-site tests should therefore be carried out to establish the correct ratio for each particular application.

Properties and Advantages

- best performance for welding, painting and coating.
- good adhesion and film formation properties even at high temperatures
- release film is stable over a wide temperature range (product is also suitable for cracked moulds)
- no clogging of spray systems, no sticky residues on mould frame

Chemical and Physical Data

Appearance:	white emulsion
Odour:	characteristic
Density at 20 °C:	0.96 – 0.98
PH-value at 20 °C:	7 - 9
Shelf life:	12 months, if stored correctly (for further details see Safety Data Sheet)

Safety

Reference is made to the **Safety Data Sheet** for information on protective measures, current safety, first aid instructions and label warnings when handling this product.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not resolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter specification within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing which we have no control of, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, resolve the matter.