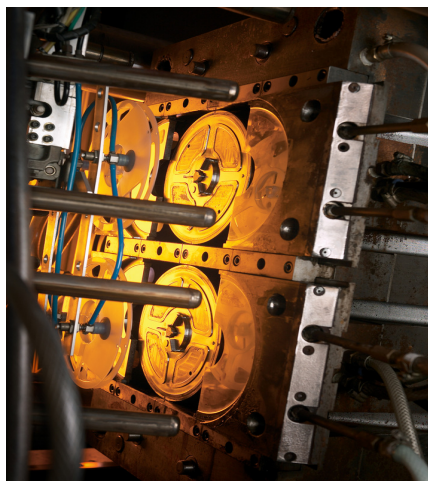




Case Study Plastic Moulding Ejector Pin Grease

Application

Our customer, a market leader in the manufacturer of different household appliances operates 41 factories in 13 countries in Europe, the USA, Latin America and Asia. They needed a plastic mould re-release agent which would remain effective for 4-6 weeks as relubrication is only done when the moulds are uninstalled from the machine for cleaning. Moulds are exposed to 90-100°C and ejectors up to 200°C.



Application Requirement

- Release agent must be compatible with steel and aluminum
- Resistant to high temperatures
- Leave no trace on the mould & plastic parts
- Maintain the mould in a clean state - free of carbonisation
- NSF H1 approved

ABOUT ZAROX C 2005

ZAROX C 2005 is a PFPE / PTFE grease that is based upon a very high viscosity, extremely thermally stable PFPE oil, thickened with high grade PTFE and with the addition of a special corrosion inhibitor. The product is totally non-toxic and includes only NSF H1 approved ingredients as required by the food industry. The long life and exceptional stability of these greases allows maximum life with long periods between lubrication intervals.

ZAROX C2005 can often extend re-lubrication intervals over competitors PFPE based greases and is available in a wide range of packs and sizes. The most popular pack is the 800g grease cartridge but 10 & 25Kg kegs are also available.

Our Perfluoropolyether (PFPE's) greases possess a unique combination of properties including:

NON FLAMMABLE - will not support combustion

THERMALLY STABLE - very wide operating temperature range of -90 to 300°C.

CHEMICALLY INERT – resistant to chemicals, solvents, acids & alkalis.

BIOLOGICALLY INERT – non-toxic and will not support biological growth.

COMPATIBLE –with a range of materials & are inert to most rubbers, plastics, metals as well as liquid and gaseous oxygen.

LOW CO-EFFICIENT OF FRICTION – excellent wear prevention and high film strength.

LOW EVAPORATION RATE – even at high temperatures making them ideal in high vacuum applications.

FLEXIBILITY - for applications where their thermal stability and chemical resistance make other lubricants unusable.

NON-MIGRATORY - our PFPE products do not contain silicones and are non-migratory.

FOOD APPROVED – many of our PFPE products are NSF H1 approved for use in the food industry.