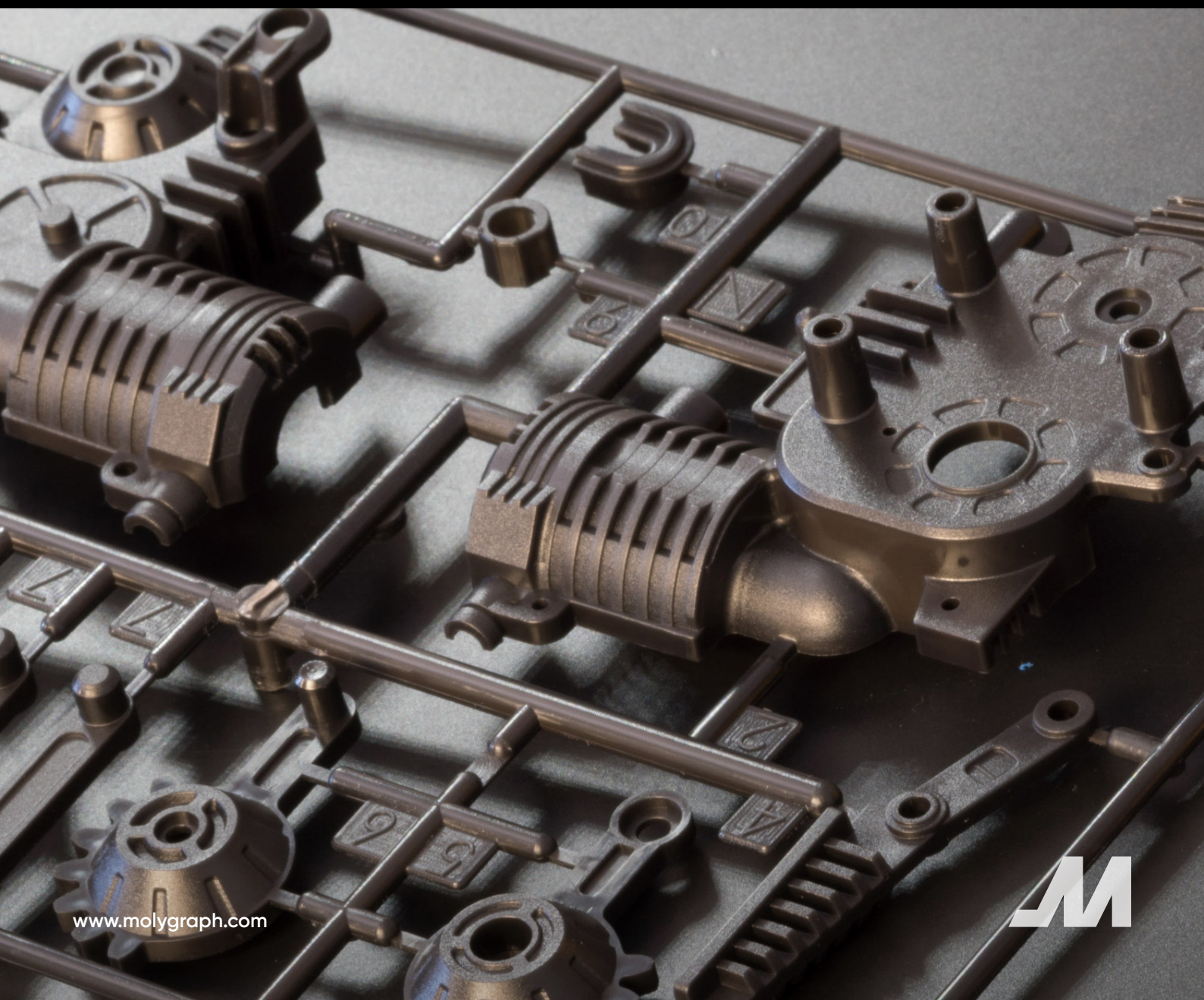
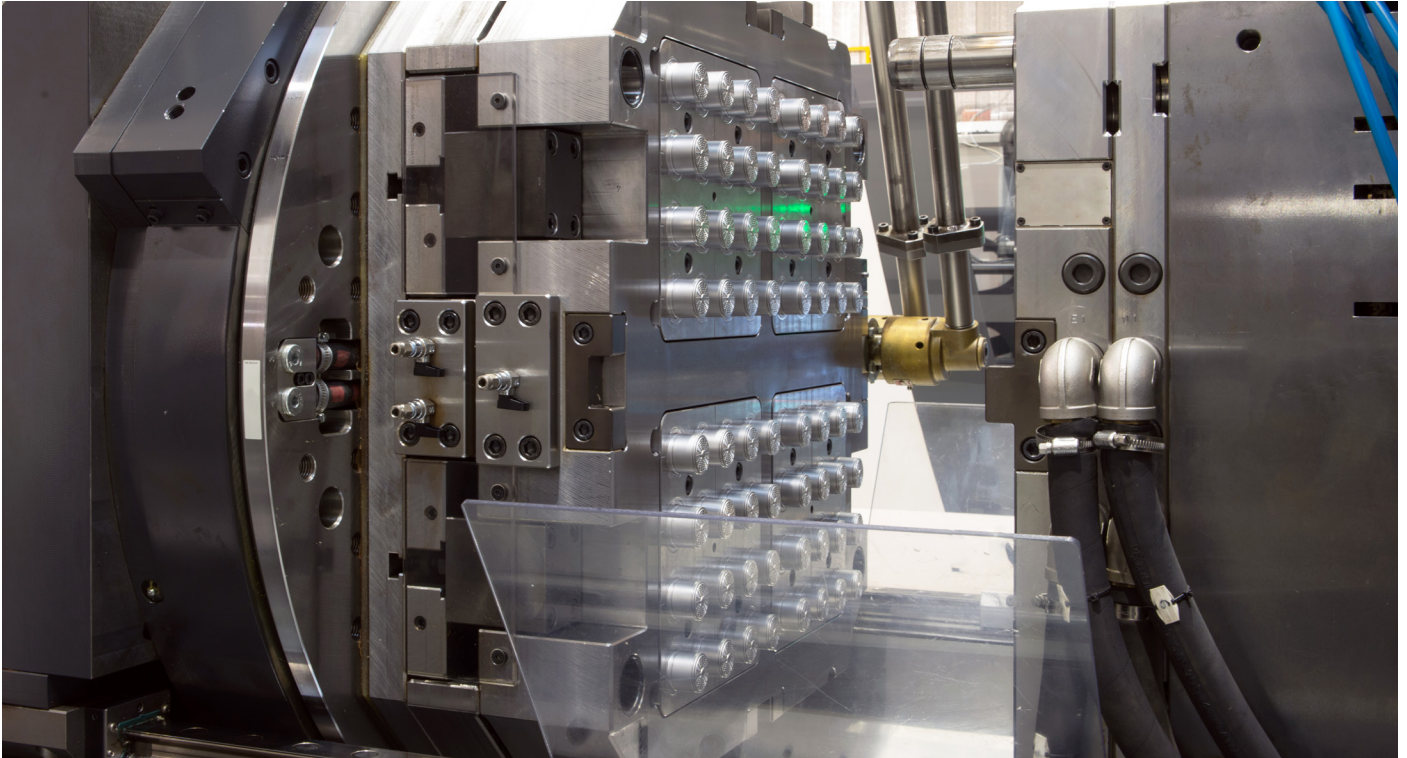


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# Plastic Moulding

*Customized Range of  
Specialty Lubricants for the  
Plastic Moulding Industry*





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## Comprehensive range of speciality lubricants for injection & rotational moulding operations.

Plastic injection molding and rotational molding are processes where lubricants play a critical role in preventing friction between the mold and the plastic, improving the quality of the final product and increasing the life of the mold.

*Molygraph offers Ecosil range of silicone and non-silicone based lubricants which are commonly used in the injection molding industry as they have a low coefficient of friction, and are non-reactive & chemically stable. For components that need to be painted, a non-silicone mold release agent, Ecosil NS is commonly used.* Highly viscous Silicone compounds under our HVG 7 are used as release agents in roto-molding applications and are applied as a thin layer to the mold surface.

In addition to this Molygraph's Neverrust range of mold protectors are used to prevent rust and corrosion. In rotational molding applications, Molygraph's Flurotemp 512, a PTFE / PFPE based lubricant has provided excellent results in lubricating the bearings in the rotational molding arms and withstanding high temperatures & harsh environments.

### OPERATING CONDITIONS

#### Injection molding







- Extremely high temperature
- Uniform temperature distribution

#### Rotational molding

- Mold protection from corrosion



# Product Selector

PROCESS	APPLICATION	FEATURES & BENEFITS	PRODUCT
Injection moulding	Ejector pins	Copper based high performance antiseize compound for easy dismantling & assembling during installation & maintenance.	KOPAL®
	Mold Protection	Heavy duty corrosion protector that forms a thick oily non-drying film giving complete protection.	NEVERUST® 20 
		Dry waxy film corrosion protector for long term protection.	NEVERUST® 30 
	Mold Release	Silicone based mold release agent to achieve excellent finish on moulded components.	ECOSIL® 
		Non silicone based mould release spray for parts that are required to be painted.	ECOSIL® NS 
	Mold Cleaner	Non-flammable, non conductive fast drying cleaner and degreaser.	SAFEKLEEN 
		Cleaner and degreaser for all types of mold metal surfaces (injection molding).	MOLDKLEEN 
	Toggle Mechanism	Multi purpose lead free grease with EP properties & extended re-lubrication periods.	MPG EPLF
Rotational Molding	Mold	Silicone based mold release agent for complex plastic and rubber parts.	HVG 7
	Arms	PTFE thickened high temperature synthetic chemical resistant fluorinated grease.	FLUROTEMP 512

# Product Specifications

## GREASES

PRODUCT	THICKENER / OIL	BASE OIL VISCOSITY @ 40°C (cSt)	NLGI GRADE	DROPPING POINT (°C)	OPERATING TEMPERATURE (°C)
KOPAL®	Lithium Complex / Mineral	120	#1, 2	NA	-30 / +1100
MPG EPLF SERIES	Special Soap / Mineral	100 - 120	#2, #1, #0, #00, #000	+180, +170, NA, NA, NA	-20 / +120
HVG 7	Non Soap / Silicone	NA	#1	NA	-40 / +260
FLUROTEMP 512	PTFE / PFPE	500	#2	205	-30 / +260

# Accelerating industrial performances across the world

Designed by empirici designs



## Efficient lubrication solutions to drive industries forward

Molygraph is India's leading engineered lubricants company. For over 32 years we have mastered the art of making high quality speciality lubricants for various industries & applications. At the core of each of our products lies our strong emphasis on Research & Development and a deep understanding of the client's expectations, which helps us deliver optimal solutions.

The consultative selling approach lays emphasis on value creation for our clients & has led Molygraph to be a front runner in the speciality Lubricants market in India as well as developing a global footprint with a presence in over 25 countries around the world.

### BUSINESS VERTICALS

- Animal Feed
- Automotive Components & Manufacturing
- Cement
- Food
- Forging
- Metal Cutting & Forming
- Mining
- MRO
- Oil & Gas
- Pharmaceutical
- Plastic Moulding
- Pulp & Paper
- Punching & Stamping
- Steel
- Sugar
- Textile
- Wind Power

### PRODUCT LINE

- Aerosol Sprays
- Cleaners & Degreasers
- Dispersions
- Lubricating Greases & Pastes
- Lubricating Oils
- Metal Forming Fluids
- Rust Preventives
- Solid Lubricants
- Thread Dope Compounds

### PRODUCT APPLICATIONS

- Bearings
- Chain & Wire Ropes
- Conveyor Chains
- Forging & Extrusion
- Gears
- Metal Cutting & Grinding
- Metal Punching & Stamping
- Nuts, Bolts & Threads
- Sheet Metal Drawing
- Valves

