

Oil for metal processing by deformation – cold forging ISO L-MHF

PRES[®] 625

PRES[®] 625 is active non-emulsifiable oil produced from refined mineral oil, high-pressure and antiwear additives (EP and AW) and corrosion inhibitors.

ADVANTAGES

- Easy application to the object being processed,
- Good adhesion to metal surfaces,
- Good lubrication and it reduces contact friction,
- Good shear resistance,
- High thermal stability,
- Good degreasing after long storage of items,
- Good anticorrosion protection,
- It ensures the proper flow of material in the mould under the effect of force.

QUALITY LEVEL

ISO 6743-7, L-MHF,
ISO/TS 12927

APPLICATION

PRES[®] 625 is used for cooling and lubrication of heavily processed steels for heavy cold forging operations on automatic machines, as well as in the operations of punching sheet metal up to 6 mm thick.

Type of processing	Grey iron	High and low alloy steels	Non-ferrous metals and light metals
Cold forging	-	***	-
Punching sheet metal up to 6 mm thick	-	**	-

*** the best, ** acceptable, * satisfactory, - unsatisfactory

ADDITIVE CONTENT

Esters	Sulphur		P	Ca	N	Zn	Cl
	active	inactive					
+	+	-	+	+	+	+	-

TYPICAL CHARACTERISTICS

CHARACTERISTICS	METHOD	UNITS	VALUE
Appearance	visual	-	clear oil
Density at 20°C	EN ISO 3675	g/ml	0,910
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	64
Copper corrosion	EN ISO 2160	degree	4c
Steel corrosion	ISO 7120	-	without
Flash point	EN ISO 2592	°C	min 190

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STORAGE

Store in covered area. If stored outdoors, it is necessary to place the drums in a horizontal position to prevent the accumulation of water on the surface of the drum. Do not store at elevated temperatures or in locations exposed to direct sunlight, nor at temperatures below 0°C.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

Plastic containers of 20 L and tin drums of 180 kg.

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.

