



SULFOFREZOL 1

GENERAL FEATURES:

Sulfofrezol 1 machining oil is manufactured basing on mineral oils, mainly paraffin-base crude oil distillates with the viscosity of 3÷5°E at 20°C with the additive of deseparator and sulphurised mineral oils.

APPLICATION:

- Sulfofrezol 1 sulfurised oil is mainly applied as off-the-shelf cooling and lubricating fluid in high-speed machining of steel and cast iron at high temperatures of the cutting edge and in machining of high strength steel and heat-resistant steel.
- Sulfofrezol 1 is not recommended for machining of non-ferrous metals where high surface quality is required.
- Application period depends on the range of mechanical impurity and sulphur content which should not be lower than 0.4% (m/m).

STANDARDS, APPROVALS. SPECIFICATION:

The oils were successfully tested in the Institute of Advanced Manufacturing and Technology in Krakow.

PHYSICAL AND CHEMICAL PROPERTIES:

Parameters	Unit	Typical values
Solidification point	°C	-16
Ignition temperature	°C	162
Kinematic viscosity at 50°C	mm ² /s	15.7
Corrosiveness to steel at 100°C/3h	-	tough
Active sulphure content (m/m)	%	0.4

Note: The above values of physical and chemical properties are typical values. Actual values are specified in quality certificates enclosed with each product lot.

VERSION:

1 / 2023.07.17

