

# Product Data Sheet



## IPOL Quenching Oil 32 XL

Normal Speed - Cold Quenching Oil

### Description:

IPOL Quenching Oil 32 XL is a general purpose Normal Speed - Cold Quenching oil. This oil is blended, using highly refined oxidation stable paraffinic Base oil with exclusive additive chemistries i.e. combination of anti-oxidants, quench-speed accelerator & other performance improvers. This superior formulation helps in increasing the work life of this quenching oil.

### Salient Features:

- Enhanced performance, when oil temperature is in range of 40 to 70 deg C
- Excellent oxidation and thermal stability
- Excellent quenching characteristics
- Reduced fire hazard risk
- Lowered carry-over losses
- Best suited for quenching of components with high Alloy content.
- Consistent performance in all types of furnaces
- Low evaporation loss

### Application:

- Components with High Alloy content
- High Speed Steel Tools
- Varieties of Bolts and Nuts
- Various components after Carbo-Nitriding

### Guidelines for the use of Quenching Oil:

- Use of inert gas would enhance the life for this oil
- Can be used in Sealed quench furnace as well as Open Tank.
- Better results in Continuous / Batch type furnace
- Quench load should be one-tenth of the volume of oil present in tank.
- Avoid water/moisture contamination
- Heat exchanger should be in working condition to control the temperature of the oil
- Maintain proper atmosphere in the furnace
- Oil level in the tank to be maintained at all time

## Physical Properties:

Properties	Methods	Typical Test Values
Color	ASTM D 1500	Light Brownish yellow
Specific Gravity @ 30°C	ASTM D 1298	0.865
Kinematic Viscosity @ 40°C	ASTM D 445	32 cSt
Flash Point	ASTM D 92	180°C
Total Acid Number	ASTM D 974	0.05 Max
Operating Temp. of Oil	-	40°C – 70°C
Cooling Curve @ 60 deg C	-	Can be provided on demand

(The above data is typical & does not constitute a specification. The information provided is not to be taken as a warranty or representation for which we assume legal responsibility, nor as permission or recommendation to practice any attended location or otherwise. It is solely offered for your consideration, investigation and verification.)

## Storage & Handling:

The product is available in 210 & 26 Ltr HDPE drums. All containers are filled to volume by weight. This product has shelf life of 12 months and above. Like most Industrial Products, it should be stored out of direct sunlight in temperature between 4 & 43 °C.

## Safety and Precautions:

IPOL Quenching Oil 32 XL is unlikely to present any significant health hazard when proper personal and industrial hygiene are maintained.