

Barton Heat

Quenching L601Z

Based on highly refined paraffin base oil

Product Description:

These L601Z quenches are specially formulated, highly refined general purpose paraffinic quenching oils.

When a piece of steel, which contains enough carbon, is cooled rapidly, it becomes significantly harder than if it were cooled slowly. The preferred coolant is one, which removes heat slowly in the steam phase and rapidly in the vapor transport phase. The coolant must also remove heat slowly during the liquid cooling phase when the metal is fully wetted by the liquid to reduce distortion.

Barton quench quenching oils have been formulated to promote uniform cooling rates. They are not easily oxidized and have a naturally high flash point.

Benefits:

- High oxidation stability, easy cleaning
- Low fume
- Fast quenching rate, maximum hardness by rapid cooling

Application:

They are recommended for use as quenching oils for steels, bearing steels, tool transmissions, auto parts, nuts, gears EN1a, EN32, EN36, EN37, set screws and bolts hard in EN8, En9, EN15, EN19, EN111. High oil tank operating temperature

Typical Test Data:

Barton quench	L601Z
Product code	Q005
ISO VG	22
Specific Gravity @ 15.6°C	0.875
Kinematic Viscosity @40°C (cSt)	21.6-26
Coogling Time (800°C - 400°C)	4.0
Optimum in- used oil temp °C	60-70
Proper in - used oil °C	50-80
Kinematic Viscosity @100°C (cSt)	5.41
Viscosity Index	102
Pour Point (°C)	-12
Fire Point (°C)	222
Flash Point (°C)	210
Appearance	Straw