

Tectyl Heat HT No.3

Martempering Oil For high temperature And A Medium Quenching Effect



| DESCRIPTION |

Tectyl Heat HT No.3 is a martempering oil of relatively high viscosity and a remarkable quenching speed throughout its use range. It is used for relatively low tempering at temperatures between 212°F(100°C) to 392°F(200°C).

It is a selected solvent-refined paraffinic mineral oils and contains highly effective additives which guarantee an extended service life, heat stability, and quenching characteristics even at its maximum use temperature.

| TYPICAL PHYSICAL PROPERTIES |

Specific Gravity		(15/4°C)	0.87xx
Flash Point		(°C)	288
Kinematic Viscosity		(100°C, mm ² /sec)	18±2
Silver Bar Cooling Test	Characteristic Temperature	(°C)	648
	Cooling Time	(sec, 800°C→ 400°C)	3.8
Proper in-used oil temp.		(°C)	80 ~ 190
Optimum in-used oil temp.		(°C)	110 ~ 130

- The above mentioned properties are average values from analysis on the standard sample. Little differences in manufacturing process may be observed but it doesn't mean problematic performance.

| BENEFITS |

- maximized hardness by speedy cooling
- Excellent gloss
- cost saving from decreased oil consumption
- easy cleansing
- long life(high-grade thermal and oxidation stability)

| APPLICATION |

Tectyl Heat HT No.3 is used for martempering of distortion-prone parts of case hardened or through hardened steels and for the tempering of ferrous and nonferrous metals, or certain non-metals.

Tectyl Heat HT No.3 can be used in open, closed or integral quench tanks. Also heavy foaming and increased fire hazard, because oil foam catches fire very easily. Water in oil, which is used in integral quenching systems, can cause explosions if the foam level reaches the furnace chamber.

| SAFETY CONTROL |

- TLV (Threshold Limit Value) : 5mg/m³ (as oil mist)
- Ingestion: If workers swallow it, induce vomiting and get the medical attention.
- Eye contact: wash with plenty of water and get the medical attention.
- skin contact: wash enough with soap and water storage

| STORAGE |

- Pay attention to the product life time (storage time)
- Avoid water or other foreign substances adulteration
- Keep products within a recommended pour point.
If shelf temp is below the pour point, agitate drum enough in room temp prior to use.

| PACKING & SAFETY |

- Tectyl Heat HT No.3 is packed in 200 liter drum.
- For your Safety, Refer to the Material Safety Data Sheet.