# **HOUGHTO-QUENCH C 125**

(Formerly HOUGHTO-QUENCH 125) GENERAL PURPOSE COLD QUENCHING OIL – (ISO 6743-14) UHB

#### DESCRIPTION

HOUGHTO-QUENCH C 125 is a medium speed quenching oil suitable at temperatures of up to 80°C. It is based upon specially selected solvent refined base oils to minimise oxidation and ensure consistent performance in service.

#### **APPLICATIONS**

The medium speed provided by HOUGHTO-QUENCH C 125 enables the development of improved strength and hardness with minimum distortion in lower hardenability and low alloy steels, heavy sectioned components or steels of borderline hardenability.

HOUGHTO-QUENCH C 125 is suitable for use in all types of quenching installations including open quench tanks, sealed quench furnaces and continuous furnaces of the shaker hearth, cast link and mesh belt type.

Houghto -Quench C 125 is formulated to provide uniform moderately accelerated quenching characteristics with maximum economy in use

#### **TYPICAL PHYSICAL PROPERTIES**

Appearance	Clear Amber	visual
Specific Gravity @ 15.5°C	0.873	
Kinematic Viscosity @ 40°C in mm²/s	23	ASTM D445
Kinematic Viscosity @ 100°C in mm²/s	4	ASTM D445
Flash Point COC in°C	214	ASTM D92
Maximum Cooling rate in °C/s @ 40°C	80	ISO 9950

#### BENEFITS

- Economic Consistent performance under the most arduous of operating conditions
- Economic Uniform quenching characteristics maintained over a range of operating temperatures

#### **RECOMMENDATION FOR USE**

Use as supplied - neat quenching oil application

#### **RELATED PRODUCTS**

Product is compatible with the full range of Houghton's portfolio, especially with the Houghto-Clean and Ensis corrosion protection range. For more information, please contact your local Houghton representative.

#### STORAGE

Please refer to section 7 of Safety Data Sheets for handling and storage information, including product shelf life. Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is usually between 5°C and 40°C unless otherwise specified. Use stock in delivery rotation.

#### **HEALTH AND SAFETY**

Safety data sheets are available in accordance with Regulation (EC) No 1907/2006 Annex II where a substance or preparation meets the criteria in accordance with Directives 67/548/EEC or 1999/45/EC.

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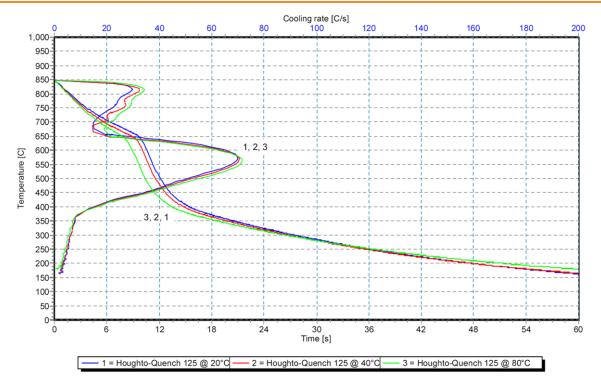
Tel +44 (0) 161 874 5000 Fax +44 (0) 161 874 5001 E-mail uk.enquiries@houghtoneurope.com http://www.houghtonintl.com

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### **COOLING CURVE - EFFECT OF TEMPERATURE ON QUENCHING CHARACTERISTICS**



**PRODUCT DATA** 

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Tel +44 (0) 161 874 5000 Fax +44 (0) 161 874 5001 E-mail uk.enquiries@houghtoneurope.com http://www.houghtonintl.com

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