HOUGHTO-QUENCH C 145

(Formerly HOUGHTO-QUENCH 145)
GENERAL PURPOSE COLD QUENCHING OIL – (ISO 6743-14) UHB

DESCRIPTION

HOUGHTO-QUENCH C 145 is a high speed quenching oil suitable at temperatures of up to 80°C .

It is based upon specially selected solvent refined mineral oils to minimise oxidation and ensure consistent performance in service.

APPLICATIONS

The accelerated quenching characteristics provided by HOUGHTO-QUENCH C 145 enables the development of optimum strength and hardness with minimum distortion in lower hardenability and low alloy steels, heavy sectioned components or steels of borderline hardenability.

HOUGHTO-QUENCH C 145 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 145 is formulated to provide uniform accelerated quenching characteristics with maximum economy in use

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear amber	visual
Specific Gravity @ 15.5℃	0.869	
Kinematic Viscosity @ 40°C in mm²/s	31	ASTM D445
Kinematic Viscosity @ 100°C in mm²/s	5	ASTM D445
Flash Point COC in°C	214	ASTM D92
Maximum Cooling rate in °C/s @ 40°C	95	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.

OA18/09/2012GB Page **1** / **2**



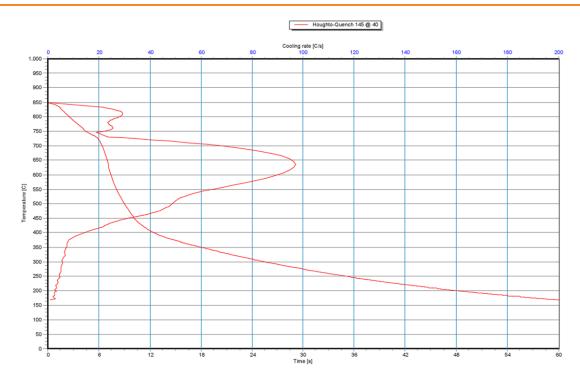
Houghton plc Beacon Road, Trafford Park Manchester M17 1AF Tel +44 (0) 161 874 5000 Fax +44 (0) 161 874 5001 E-mail uk.enquiries@houghtoneurope.com http://www.houghtonintl.com

This document contains information based on data that is believed to be correct. However, the product may not be applicable to all uses and operating environments. No warranty or guarantee is expressed or implied.

HOUGHTO-QUENCH C 145

(Formerly HOUGHTO-QUENCH 145)
GENERAL PURPOSE COLD QUENCHING OIL – (ISO 6743-14) UHB

COOLING CURVE @ 40°C



OA18/09/2012GB Page **2** / **2**



Houghton plc Beacon Road, Trafford Park Manchester M17 1AF Tel +44 (0) 161 874 5000 Fax +44 (0) 161 874 5001 E-mail uk.enquiries@houghtoneurope.com http://www.houghtonintl.com

This document contains information based on data that is believed to be correct. However, the product may not be applicable to all uses and operating environments. No warranty or guarantee is expressed or implied.