

ExxonMobil Fens0 51

Category : Fluid , Quenchant

Material Notes:

FENSO is the brand name for a series of premium quality oils designed specially for use as heat-treating fluids. The FENSO line consists of two grades: one medium-viscosity, dual-purpose oil for both conventional quenching and marquenching; and one high-viscosity oil specifically for marquenching. Both grades are made with highly refined base oil fortified with special additives to meet the exacting requirements of heat-treating oils. FENSO 51 is a medium-viscosity, dual-purpose oil designed for both conventional quenching and marquenching. FENSO 51 has exceptional oxidation stability, and therefore does not require replacement as frequently as conventional oils. In addition, it will leave fewer residues on quenched parts. FENSO 51 is readily removed from quenched parts with only a mild alkali wash. Because FENSO 51 will perform the jobs that previously required two different fluids, one less oil is needed in heat-treating shops. This minimises the chances of accidentally getting the wrong fluid in the quench bath. FENSO 71 is a high viscosity, long-life oil designed specially for marquenching. It has the high flash point required in high temperature protected-atmosphere systems and it has the excellent oxidation stability required in unprotected systems (exposed to atmosphere). Because FENSO 71 has unusually fast quenching speeds, parts quenched in FENSO 71 attain the same hardness as comparable parts quenched in conventional oils at lower temperatures. Thus, it is possible to take full advantage of the minimum distortion feature of marquenching without the loss of hardness often attendant in marquenching. FENSO 71 is easily removed from quenched parts with only a mild alkali wash. Also, because of its high flash point, it minimises smoking and improves working conditions. The FENSO line of mineral oil products is used in quenching operations of all types and severities. Recommended applications for each product are: FENSO 51 is a dual-purpose oil designed for both conventional quenching and marquenching. It can be used in open quenching systems where operating temperatures are as high as 93°C and in closed systems in which temperatures are as high as 150 C; FENSO 71 is designed specially for marquenching. It is recommended for protected-atmosphere systems where temperatures are as high as 190 C and unprotected systems (exposed to atmosphere) with quench bath temperatures up to 135

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Fenso-51.php

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	48.4 cSt	48.4 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Flash Point	200 °C	392 °F	ASTM D92

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