

# PERFORMANCE FLUIDS

Effective: September 01, 2005

## Exxsol<sup>®</sup> D60 Hydrocarbon Fluid

### Specifications

Property	Units	Min values	Max values	Typical values <sup>^</sup>	Test method <sup>°</sup> (Latest method, unless specified otherwise)
Distillation range	°C				ASTM D 86-99/ISO 3405
- Initial boiling point		180.0		187 / 187	
- 90%			210.0	208 / 206	
- Dry point			217.0	216 / 213	
Flash point	°C	61.5		63 / 66	ASTM D 93/EN 22719
Aromatic content (UV)*	wt%		0.4000	0.06 / 0.09	EC-A-A07/EC-T-02
Colour Saybolt	-	+ 30		+ 30 / + 30	ASTM D 6045/D 156
Corrosion (3 hrs at 50°C)	-		1b	1a / 1a	ASTM D 130/ISO 2160
Density at 15°C	kg/dm <sup>3</sup>	0.7740	0.8090	0.792 / 0.794	ISO 12185/ASTM D 4052
Sulphur content	mg/kg		5.0	< 1 / < 1	ASTM D 4045/IP 373

<sup>^</sup> : When two typical values are presented on one line, the first corresponds to the quality manufactured in the Antwerp plant, the second to the Trecate plant quality.

When two test methods are presented on one line, the first is the one used in the Antwerp plant, the second is used in the Trecate plant.

### Other properties

Property	Units	Typical values <sup>■</sup>	Test method (Latest method, unless specified otherwise)
Aniline point	°C	70	ASTM D 611
Benzene content (GC)*	mg/kg	< 1	EC-A-G03
Bromine index	mg/100g	1	EC-A-B03/ASTM D 2710
Evaporation rate (n-BuAc = 100)*	-	3.4	EC-M-F01
KB value	-	31	ASTM D 1133
Refractive index at 20°C	-	1.437	ASTM D 1218
Viscosity at 25°C	mPa.s	1.43	ASTM D 445
Viscosity at 25°C	mm <sup>2</sup> /s	1.81	ASTM D 445

■ : Typical values refer to Antwerp production.

\* Value may be determined by ExxonMobil procedures equivalent to industry standard test methods. Applicable sampling and testing methods are subject to change without notice and are available for review on request.

©2005 Exxon Mobil Corporation. To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information. You may not copy this document to a Web site. ExxonMobil does not guarantee the typical (or other) values. Analysis may be performed on representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, suitability, accuracy, reliability, or completeness of this information or the products, materials, or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage, or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. There is no endorsement of any product or process, and we expressly disclaim any contrary implication. The terms, "we", "our", "ExxonMobil Chemical", or "ExxonMobil" are used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliates they directly or indirectly steward. ExxonMobil, The ExxonMobil Emblem, the "Interlocking X" Device, Actrel, Escald, Exx-Print, Exxsol, Han, Isopar, Nappar, Norpar, Varsol and Solvesso are trademarks of Exxon Mobil Corporation.