

## ETRO 4 GROUP III BASE OIL

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### Technical Data Sheet

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**Description** ETRO 4 is a very high quality Group III base oil, manufactured from a proprietary wax isomerisation process and hydrofinished to a colourless liquid. The base oil is highly isoparaffinic and exhibits a very high viscosity index as well as superior low temperature performance. It has an excellent viscosity-volatility relationship.

**Applications** ETRO 4 is an excellent choice for formulating high performance, low viscosity engine oils due to its high viscosity index and low volatility. This base oil is also suitable for industrial applications in compressor, hydraulic, gear and turbine formulations.

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### Technical Data

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Property	Test Method	Unit	Specification value	Typical value
Appearance	Visual		Bright & Clear	Bright & Clear
Colour	ASTM D1500		L 0.5 max.	L 0.5
Viscosity @ 100°C	ASTM D445	mm <sup>2</sup> /s	4.15 – 4.35	4.26
Viscosity Index	ASTM D2270		≥ 127	130
Pour Point	ASTM D97	°C	≤ -15	-18
Flash Point	ASTM D92	°C	> 200	220
Noack Volatility	ASTM D5800(b)	wt%	≤ 15	14.9
Saturates	IP368	%	> 95	99
Sulphur Content	ASTM D2622	ppm	< 30	5
CCS Viscosity	ASTM D5293	cP		
at -25°C				886
at -30°C				1,442
at -35°C				2,419

**Formulation Support** ETRO 4 is supported with top-tier engine oil formulations that meet:

- API SM
- ILSAC GF-4
- ACEA 2008
- OEM specifications