

**ExxonMobil**

# Somentor™ rolling oils

Energy lives here



Asia Pacific

# ExxonMobil's Somentor™ hydrocarbon fluids meet the safety and performance standards required by the aluminum industry and have been widely used for more than two decades.

## Key attributes

- improved annealing properties, thereby reducing the potential of production rejects
- suitable for rolling of alloys used for food packaging
- very low aromatic content
- low odor

Somentor™ fluids are manufactured under Good Manufacturing Practices and meet the FDA 21 chapter 178.3910 (a) and (b) regulations<sup>1</sup>.

To formulate and optimize rolling oils that meet the needs of individual mill operations, Somentor™ fluids are generally blended with additives, including the Mobil™ line of Wyrol™ roll oil additives.

Somentor™ grades are available for direct purchase from your ExxonMobil sales representative or via our network of regional distributors with local storage capabilities.

## Somentor 31

- low viscosity, well suited for aluminum foil rolling or as a separation fluid for foil doubling
- narrow typical distillation range, resulting in more consistent viscosity through the process

## Somentor 32 S

- particularly suited as a base fluid for aluminum foil rolling where ultrahigh purity is required
- extremely narrow boiling range that reduces evaporation and maintains consistent viscosity for steady operating conditions at the roll bite

## Somentor 34 and Somentor 35

- higher viscosity
- unique distillation ranges suited for the needs of aluminum sheet rolling mills
- high flash points for severe operating conditions inherent in aluminum sheet rolling, lowering fire risk during strip breakage
- high molecular weight and heat capacity that may boost cleaning / heat transfer efficiency

<sup>1</sup> This brochure is not the official source for regulatory claims. For regulatory compliance statements, please contact Customer Service. For other information, please contact your sales representative.



Select the product that is best suited to your requirements from our range of available Somentor™ rolling oils.

Key typical values	Method	Somentor 31	Somentor 32 S	Somentor 34	Somentor 35	Unit
Aromatics content	AMS 140.31 UV1 <sup>2</sup>	0.01	0.01	0.5	0.1	wt%
Distillation range	ASTM D86					°C
Initial boiling point		206	222	236	248	
Dry point		238	242		269	
Final boiling point				265		
Flash point	ASTM D93	81	94	103	115	°C
Viscosity at 25°C	ASTM D445 calculated	2.06	2.49	3.12	3.59	cSt
Viscosity at 40°C	ASTM D445	1.62	1.90	2.34	2.57	cSt

Note: The number of significant figures shown in the table above may differ versus the requirements stated in the test method.

<sup>2</sup> Details available upon request



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