

SYNATIVE ES TMP 05/1000

Composition

Trimethylolpropane-complex ester

Technical Data

Item	Value	Method / Remarks
Appearance:	Clear, yellow liquid	
Flash Point:	min. 290 °C	DIN ISO 2592
Pour Point:	max. -25 °C	DIN ISO 3016
Acid Value:	max. 1	DGF C-V2 (81) DIN 53402
Iodine Value:	85 - 95	DGF C-V11b
Saponification Value:	170 - 190	DGF C-V3 DIN 53401
Density: 15 °C	0,935 - 0,950 g/cm ³	DIN 53479
Viscosity: à 40 °C	900 - 1100 mm ² /s	DIN 51562

Quality Control Data

(These data are used for quality release and are certified for each batch.)

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Iodine Value:	85 - 95	DGF C-V11b
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Viscosity: à 40 °C	900 - 1100 mm ² /s	DIN 51562

Additional Specifications

(Guaranteed specification values which are not determined on a regular basis.)

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Properties & Use

Synthetic lubricant basestock with thickener effect

Additional Technical Data

Kinematic viscosity (DIN 51562 part 1)		
at 100 °C	105	mm ² /s
Viscosity index (DIN ISO 2909)		
	201	
Thermogravimetric Analysis (Cognis-Method TA-TGA-SOP 6) (Loss in mass-% when continuously increasing the temperature at a rate of 20 °C/min)		
200°C	0	%
250°C	0,1	%
300°C	0,5	%
EP and AW properties Shell "Four-ball-Tester"		
Diameter of scull-caps (DIN 51350 part 3) at 450 N, 1 hour		
	0,85	mm
Welding load (DIN 51350, part 2)		
	1700	N

The product can be stored for at least 2 years at ambient storage conditions and temperature without any deterioration.

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