

SYNATIVE ES TMTC

Composition

Trimethylolpropane C8/C10 ester

Technical Data

Item	Value	Method / Remarks
Appearance:	Clear, yellowish liquid	
Flash Point:	min. 240 °C	DIN ISO 2592
Cloud Point:	max. -10 °C	DIN EN 23015
Acid Value:	max. 0,2	DIN 53402 DGF C-V 2 (81)
Iodine Value:	max. 1	DGF C-V 11 d
Hydroxyl Value:	max. 4	DGF C-V 17 a
Saponification Value:	309 - 329	DIN 53401 DGF C-V 3
Specific Weight: 25°C	0,940 - 0,944 g/cm ³	DGF C-IV 2
Viscosity: 40 °C	17,5 - 20 mm ² /s	DIN 51562, 1
Viscosity: 25 °C	30 - 37 mPas	DIN 53015
Refractive Index: 25 °C	1,450 - 1,453	DGF C-IV 5
Cloud Point Index:		

Quality Control Data

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

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Additional Specifications

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

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Flash Point:	min. 240 °C	DIN ISO 2592
Cloud Point:	max. -10 °C	DIN EN 23015

Properties & Use

Synthetic lubricant basestock, e.g. for greases, engine- and gear oils, hydraulic fluids and metalworking fluids

Additional Technical Data

Pour point (DIN ISO 3016)	max. -55	°C
Kinematic viscosity (DIN 51562 part 1)		
at 100 °C	4,3	mm ² /s
Viscosity index (DIN ISO 2909)	143	
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	1	%
300°C	13	%
EP and AW properties Shell "Four-ball-Tester"		
Diameter of scull-caps (DIN 51350 part 3) at 450 N, 1 hour	0,70	mm
Welding load (DIN 51350, part 2)	1200	N

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

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COGNIS DEUTSCHLAND GmbH & CO KG

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