

SYNATIVE ES PEC 4

Composition

Pentaerythritol C8/C10 Ester

Technical Data

Item	Value	Method / Remarks
Appearance:	Clear, slightly yellow liquid	
Cloud Point:	max. 0 °C	DIN EN 23015
Acid Value:	max. 0,3	DIN EN ISO 3682
Iodine Value:	max. 1	DIN 53241
Hydroxyl Value:	max. 4	DIN 53240
Saponification Value:	323 - 338	DIN EN ISO 3681
Density: 25 °C	0,952 - 0,955 g/cm ³	DIN 51757
Viscosity: 40 °C	27,5 - 33 mm ² /s	DIN 51562, 1
Viscosity: 25 °C	48 - 56 mPas	DIN 53015
Color: Lovibond 5,25" gelb/yellow rot/red	max. 5 max. 0,7	DGF C-IV 4b
Refractive Index: 25 °C	1,453 - 1,455	DIN 51423 B2
Cloud Point Index:		

Quality Control Data

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

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Properties & Use

High temperature stable synthetic lubricant basestock, e.g. for greases

Pour point (DIN ISO 3016)	max. -4	°C
Flash point (DIN ISO 2592)	min. 270	°C
Kinematic viscosity (DIN 51562 part 1)		
at 100°C	6,3	mm ² /s
Viscosity index (DIN ISO 2909)	186	
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	%
300°C	2	%
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)	1400	N

Revision-No.

1.1-10.2003 Effective October 8, 2003

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

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