

# WEDOLiT™ EP 540 ES

**Expander Oil, Easy-splitting Technology,  
mineral oil based**



WEDOLiT EP 540 ES is a highly viscous, high-performance, mineral-oil-based forming oil. The product has been developed to the highest technical standard for the utilization in the pipe industry (e.g. manufacturing of large diameter pipes, for gas and oil pipelines). The product can be used undiluted and due to the high content of polar additives, prevents the stick-slip-effect.



## Physical Properties Typical Data

Parameter	Typical results	Tested according to
Appearance:	Brown, viscous fluid	Visual
Density at 68°F:	0.96 g/cm <sup>3</sup>	ASTM D 7042
Viscosity at 104°F:	> 380.0 mm <sup>2</sup> /s	ASTM D 7042
VKA-value:	> 4000 N (typ. 4400 N)	DIN 51350 T2
Copper corrosion:	1a	DIN EN ISO 2160

  

Mineral oil	Ester	EP-additives	AW-additives	Zn-additives	Chlorine
+	+	+	+	-	-

## Application Guidelines

The product should be stored frost-free, between 50 - 104°F, (10 - 40°C). With decreasing storage-temperature the product viscosity increases. Example for this product class:  $v_{15}$  = approx. 5000 mm<sup>2</sup>/s,  $v_{10}$  = approx. 9000 mm<sup>2</sup>/s. Please keep this in mind regarding pump dimensioning (a preheating of the product might be necessary). The minimum durability is 12 months in an original sealed package.

## Additional Information

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## Choose WEDOLiT EP 540 ES:

- Very high film stability (even under high pressures)
- Good adhesion properties on smooth surfaces, very good wear protection
- Easily removable with water (spontaneous emulsification)
- The emulsion can be used for pre- and post-cleaning of the pipes and expander heads and can be easily separated into water and oily waste by utilizing specific additives
- Due to the unique easy-splitting-technology, only a very small amount of the splitting media is needed
- The treated water can be reused for the preparation of a new emulsion (to a certain degree)

## Health and Safety

For further information, see the most recent SDS which is available directly from Master Fluid Solutions.