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 20°C:	0.96 g/cm^3	ASTM D 7042
Viscosity at 40°C:	> 380.0 mm^2/s	ASTM D 7042
4-ball test:	> 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 10 - 40°C.
With decreasing storage-temperature the product viscosity increases. Example for this product class: v15 = approx. 5000 mm²/s, v10 = approx. 9000 mm²/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

The information herein is given in good faith and believed current as of the date of publication and should apply to the current formula version. Because conditions of use are beyond our control, no guarantee, representation or warranty expressed or implied is made. Consult Master Fluid Solutions for further information. For the most recent version of this document, please go to this URL: https://2trim.us/diw/?plr=EP-540-ES*en*eu

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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 utilising 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.

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