

Technical Datasheet

KALFLEX-13

Chemical name	Soybean oil, epoxidized
CAS #	8013-07-8
EC #	232-391-0
Estado físico	Clear liquid

Description

KALFLEX-13 It is an epoxidized plasticizer of organic origin. Although the addition of 2 or 3 phr significantly improves the stability to light and heat, the percentages of use can be significantly higher, since it has a plasticizing power similar to DOP and can effectively replace it, adjusting some mixing parameters and the process, to compensate for its lower activity.

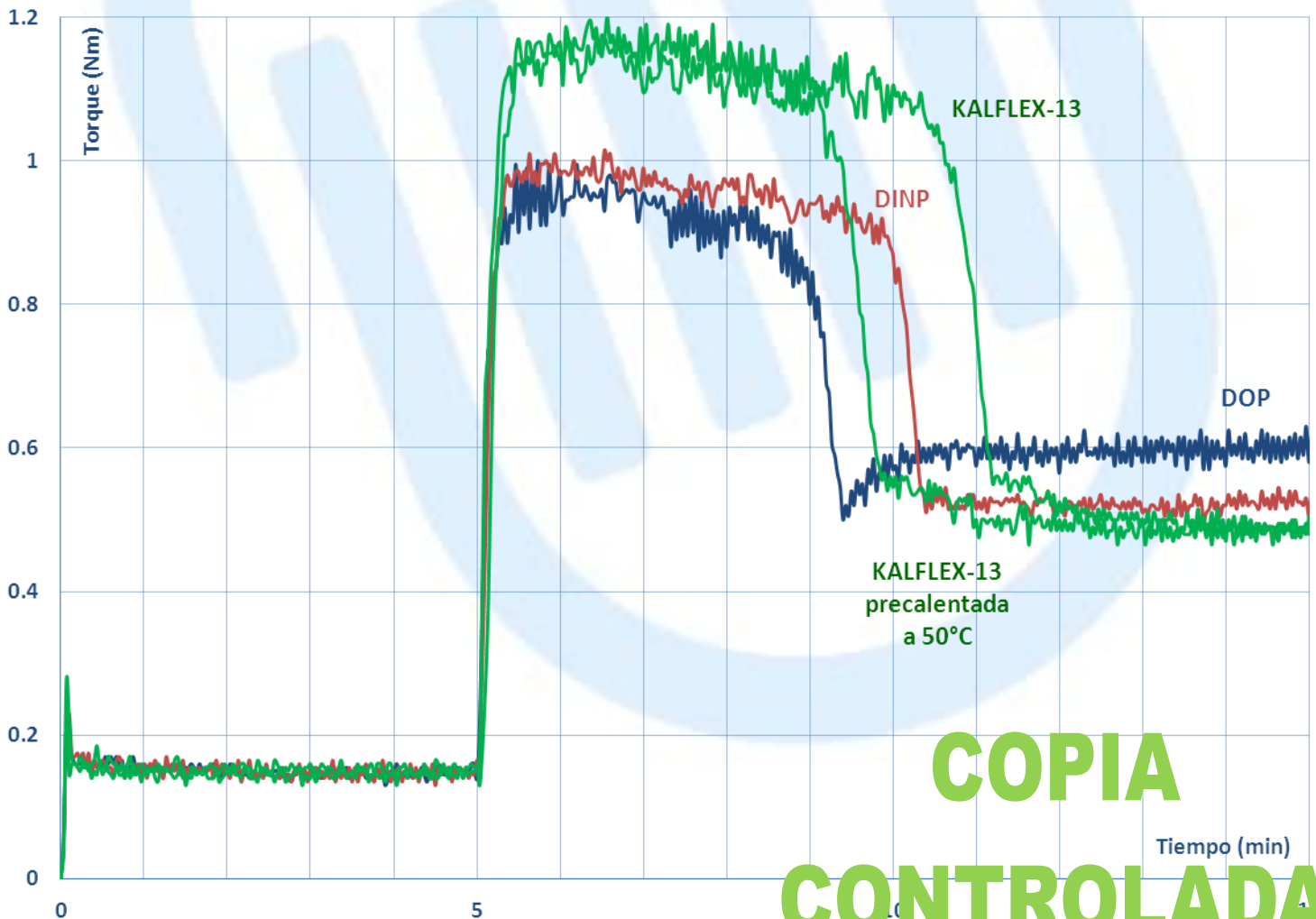
Applications

Thanks to its properties, ESBO is used in various types of compounds such as: PVC, nitrocellulosics, chlorinated rubbers and PVC copolymers. Also, it is used as a modifier of alkyd resins, stabilizer of metallic primers, modifiers of nitrocellulose lacquers.

Typical properties

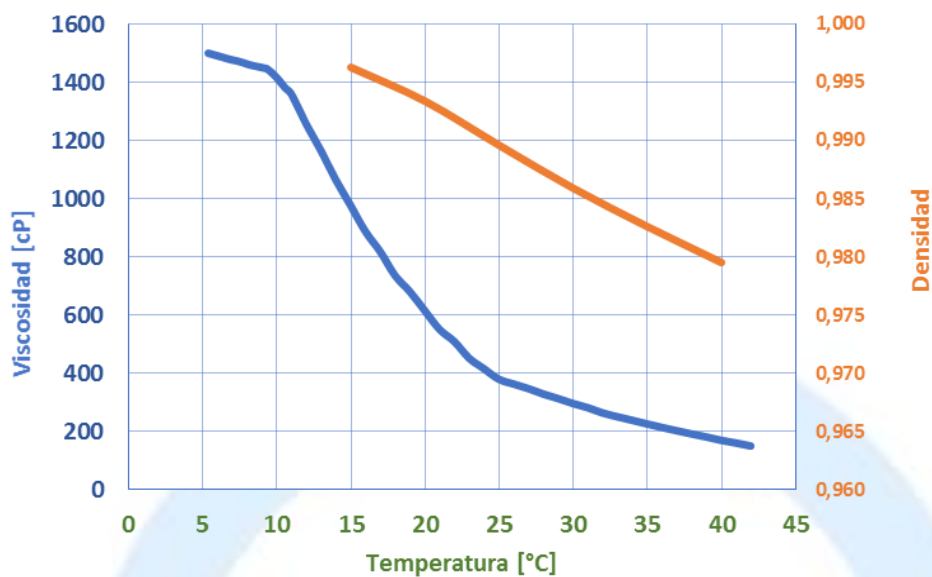
Density (25°C/25°)	0,997
Viscosity (20°C)	450-550 cP
Refractive index (25°C)	1,473± 0,005
Acidity index	1 mgKOH/gm
Iodine Index	4 ,0 g l/100gm
Oxirane Index	6,4 % O
Color (APHA)	200 (max)

ABSORPTION CURVE WITH SUSPENSION RESIN



Note: Test carried out under ASTM D2396-94 standard with Brabender® planetary mixer

Plasticizer viscosity and density curves as a function of temperature



Security

The safety sheet is available at www.varteco.com

Storage and handling

Use the usual precautionary measures when handling chemical products. Keep the containers tightly closed at room temperature and store in a dry place, separated from strong oxidizers. Do not handle material near heat or other ignition sources.

Container

KALFLEX-13 is for sale in the following forms: 200 kg drum, 1000 kg container or bulk.