

Technical data sheet

ALBERDINGK® Refined Linseed Oil

Characteristic:

Alkali refined linseed oil is a slime free refined oil produced from raw linseed oil, won by a refining process going over the steps of degumming, neutralising and bleaching.

Specification:

			According to:
Acid value	mg KOH/g	max. 1	ISO 660
Iodine colour value		max. 4	DIN 6271
Gardner colour value		max. 4	ISO 4630
Iodine value acc. to Wijs	g Iod/100g	min. 175	ISO 12966

Further typical data*:

			According to:
Refractive index		1.4785 - 1.4825	ISO 6320
Saponification value	mg KOH/g	188 - 195	ISO 12966
Viscosity acc. to Höppler at 20°C	dPas	0.45 - 0.50	ISO 12058-1
Density at 20°C	g/cm ³	0.926 - 0.933	ISO 2811-3
Water content	%	max. 0.1	ISO 8534

Applications:

Alkali refined linseed oil is used for the production of oil modified polyester resins (i.e. alkyd resins), stand oils, printing varnishes, maleat and urethane oils in the synthetic resins, coatings and printing ink industry. It also finds application as a binder in pigment pastes.

Properties:

As a triglyceride, Alkali refined linseed oil belongs to the fast drying vegetable oils with a high portion of unsaturated fatty acids - about 50 - 60% linolenic acid, 14 - 18% linoleic acid and 17 - 24% oleic acid. In contact with air, accelerated by driers (siccatives), linseed oil forms hard films with excellent stability and good colour- and gloss-retention.

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Storage:

The storage life can be guaranteed for minimum 12 months in tightly locked containers and at a temperature of + 10 °C up to + 30 °C.

A turbidity of the oil due to coldness is reversible and can be removed by heating up to more than 40 °C.

Safety:

For further information on product safety please refer to the current safety data sheet.

Notice:

* General information - the values can not be considered as part of the product specification.