

Technical data sheet

ALBERDINGK®

Refined Linseed Oil Winterized

Characteristic:

Refined linseed oil winterized is a slime free refined oil produced from raw linseed oil, won by a refining process going over the steps of degumming, neutralizing, bleaching and winterization. During the winterization process higher melting triglycerides form crystals which are removed by filtration. Thus the oil remains clear even at low temperatures.

Specification:

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

Further typical data*:

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

Applications:

Refined linseed oil winterized 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.

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Properties:

As a triglyceride, refined linseed oil seasonized 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.

Storage:

In tightly closed containers the shelf life is at least 12 months. Even though the oil is frost-resistant and can be transported at very low temperatures, we recommend permanent storage between 0 and +30°C to maintain quality.

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.