

Linseed Oil and Castor Oil



	PU Casting Resins	PU Foams	PU Adhesives	PU Coatings	Alkyd Resins	Oil Paints	Wood Care	Wood Protection	Natural Paints	Printing Inks	Pigment Pastes	Plasticizers	Lubricants	Pharmaceuticals	Cosmetics	Emulsifiers / Surfactants
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ALBERDINGK® Linseed Oil

Crude LO									X	X						
Refined LO					X	X	X	X	X	X	X					
Refined LO Winterized					X	X	X	X	X	X	X					
Refined LO Winterized HQ					X	X	X	X	X	X	X					
Pale Refined LO					X	X	X	X	X	X	X					

ALBERDINGK® Linseed Oil Derivatives

Double Boiled LO					X	•	X	X	•	X						
LO Stand Oil from 50-55 to 600 dPa s					X	X		X	X	X	X					
Blown Refined LO 3 and 30 dPa s					X	X	•	•	X		X					

ALBERDINGK® Castor Oil

CO First Special Grade/No.1	X	X	X	X	•						X	X	X			X
CO DIN Quality/Pale Pressed	X	X	X	X	•						X	X	X			X
CO Low Acid 0.2	X	X	X	X							X	•	•			•
CO Low Acid 0.7	X	X	X	X							X	X	X			X
Albodyr CO PU-Quality	X	X	X	X							X	•	•			•
Albodyr CO Partially Demoistured	X	X	X	X							X	•	•			X
Albodyr CO Pharma DAB Special	X	X	X	•								•	•	•	•	•
Pharm. CO Virgin Ph. Eur.	•	•	•	•								•	•	X	X	X
Pharm. Refined CO DAB/Ph. Eur.	•	•	•	•								•	•	X	X	X

ALBERDINGK® Castor Oil Derivatives

Blown CO from 17 to 90 dPa s	X	X	X	X	•								X			
Dehydrated CO (DCO) (dehydrated)	•		•	•	X	X	X	X	X	X	X		X			
CO PD (partially dehydrated)	X	•	X	X	•						X	X				
Dehydrated CO Fatty Acid (DCO-FA)					X	X										X
HCO 52, Flakes and Powder	X	X	X	X	X		X		X				X			X
HCO Flakes 81	X	X	X	X	X		X						X	X	X	X
HCO Flakes 82	X	X	X	X	X		X						X		X	X
12-HSA 52, Flakes and Powder					X								X			
12-HSA Flakes 81					X								X		X	

ALBERDINGK® Specialty Products

Albolith M5 C 350 Molecular Sieve Paste	X		X	X												
Albothix 82-32 Thixotropic Agent	X		X	X		X			X							
Albothix 85-32 Thixotropic Agent	X		X	X		X			X							

	Colour [Gardner max.]	Acid Value [mg KOH/g]	Water Content [%, max.]	OH Value [mg KOH / g]	Iodine Value [g Iod/100 g]	Melting Range [°C]	Viscosity Höppler [dPas at 20°C]
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ALBERDINGK® Linseed Oil

Crude LO	13	max. 2,7	0,2		min. 175		
Refined LO	4	max. 1	0,1		min. 175		0,45 - 0,50
Refined LO Winterized	4	max. 1	0,1		min. 175		0,45 - 0,50
Refined LO Winterized HQ	2.5	max. 0,5	0,1		180 - 200		0,45 - 0,50
Pale Refined LO	2.5	max. 1	0,1		min. 175		0,45 - 0,50

ALBERDINGK® Linseed Oil Derivatives

Double Boiled LO	8-12	max. 5	0,2				0,70 - 1,00
LO Stand Oil from 50-55 to 600 dPa s	8	4,0 - 12,0			100 - 120		50,0 - 55,0
Blown Refined LO 3 and 30 dPa s	9/12	max. 7			110 - 140		3,0 - 30,0

ALBERDINGK® Castor Oil

CO First Special Grade/No.1	4	max. 2	0,3	min. 160	82 - 89		9,5 - 11,0
CO DIN Quality/Pale Pressed	2	max. 1,5	0,3	min. 160	82 - 89		9,5 - 11,0
CO Low Acid 0.2	4	max. 0,2	0,3	min. 160	82 - 89		9,5 - 11,0
CO Low Acid 0.7	4	max. 0,7	0,3	min. 160	82 - 89		9,5 - 11,0
Albodyr CO PU-Quality	4	max. 2	0,05	min. 160	82 - 89		9,5 - 11,0
Albodyr CO Partially Demolstured	4	max. 2	0,15	min. 160	82 - 89		9,5 - 11,0
Albodyr CO Pharma DAB Special	1	0,57 - 0,65	0,02	min. 160	82 - 89		9,5 - 11,0
Pharm. CO Virgin Ph. Eur.		max. 1,5	0,3	min. 160	82 - 89		9,5 - 11,0
Pharm. Refined CO DAB/Ph. Eur.	1	max. 0,8	0,2	min. 160	82 - 89		9,5 - 11,0

ALBERDINGK® Castor Oil Derivatives

Blown CO from 17 to 90 dPa s	5	max. 11		150-160	70-80		17,0 - 90,0
Dehydrated CO (DCO) (dehydrated)	5	max. 4		max. 25	min. 145		max. 3
CO PD (partially dehydrated)	6	max. 5		110 - 130	82 - 89		max. 10
Dehydrated CO Fatty Acid (DCO-FA)	1	198 - 203		max. 10	140 - 150		
HCO 52, Flakes and Powder	3	max. 3		min. 155	max. 3	min. 85	
HCO Flakes 81	1	max. 2		min. 157	max. 2.5	min. 85	
HCO Flakes 82	2	max. 2		min. 155	max. 2.5	min. 85	
12-HSA 52, Flakes and Powder	5	min. 175		min. 150	max. 5	min. 72	
12-HSA Flakes 81	3	min. 175		min. 157	max. 3	min. 73	

ALBERDINGK® Specialty Products

Albolith MS C 350 Molecular Sieve Paste				77 - 87			
Albothix 82-32 Thixotropic Agent	2	max. 2		min. 155	max. 2.5	min. 85	
Albothix 85-32 Thixotropic Agent	8	max. 6		min. 155		136 - 140	

ALBERDINGK® Linseed Oil

Crude LO	Low PAT value
Refined LO	Low acid, low odour and light colour quality for technical applications
Refined LO Winterized	Like refined LO but stays clear at lower temperatures
Refined LO Winterized HQ	Like refined LO Winterized for high end applications
Pale Refined LO	Extra bleached for lighter colour applications

ALBERDINGK® Linseed Oil Derivatives

Double Boiled LO	Siccative added, slightly polymerized, very good drying properties
LO Stand Oil from 50-55 to 600 dPa s	Good flow, gloss, water and weather resistance, pigment wetting
Blown Refined LO 3 and 30 dPa s	Quick drying, excellent gloss and water resistance

ALBERDINGK® Castor Oil

CO First Special Grade/No.1	Standard quality for all technical applications
CO DIN Quality/Pale Pressed	Technical quality for lighter colour systems
CO Low Acid 0.2	Very long pot life time in two pack PU systems
CO Low Acid 0.7	Long pot life time in two pack PU systems
Albodyr CO PU-Quality	Very low moisture, very low CO ₂ -formation in PU systems
Albodyr CO Partially Demoistured	Partially reduced moisture, less CO ₂ -formation in PU systems
Albodyr CO Pharma DAB Special	Low moisture and controlled acid value, high purity
Pharm. CO Virgin Ph. Eur.	For sensitive applications with a high demand for purity
Pharm. Refined CO DAB/Ph. Eur.	Highest purity and lightest colour

ALBERDINGK® Castor Oil Derivatives

Blown CO from 17 to 90 dPa s	For lubricants, plasticizer in coatings, crosslinker for PU
Dehydrated CO (DCO) (dehydrated)	Non-yellowing, fast drying, increases gloss, flexibility and adhesion
CO PD (partially dehydrated)	Polyol for soft and flexible PU resins
Dehydrated CO Fatty Acid (DCO-FA)	Light colour and low yellowing
HCO 52, Flakes and Powder	Standard quality for general technical purposes
HCO Flakes 81	Light colour quality for high end applications, Nickel content < 1 ppm
HCO Flakes 82	Light colour and acid value quality for high end applications
12-HSA 52, Flakes and Powder	Light colour quality for general technical applications
12-HSA Flakes 81	Light colour quality for high end applications

ALBERDINGK® Specialty Products

Albolith MS C 350 Molecular Sieve Paste	Low viscous, not sedimenting, pot life stable desiccant
Albothix 82-32 Thixotropic Agent	HCO based thixotropic thickener for low and medium polar systems
Albothix 85-32 Thixotropic Agent	Modified HCO thixotropic thickener, better temperature stability

Linseed Oil and Derivatives

Main applications:

- › printing inks
- › alkyd resins
- › paints and varnishes
- › wood care products (teak oil)
- › wood coatings
- › pigment pastes
- › putties

Castor Oil and Derivatives

Main applications:

- › polyol for polyurethane systems
(1- and 2-components)
- › pharmaceuticals and cosmetics
(medical equipment and personal care)
- › coatings
- › adhesives
- › foams, casting resins and insulating materials
- › feedstock for plastics, plasticizers
- › tensides, soaps
- › fatty acid production
- › thixotropic agents
- › wetting agents, lubricants

For further information please contact us under:

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Exemption clause:

The aforesaid information is based on our present state of knowledge and shall inform on our products and their application possibilities. It is not intended to assure certain characteristics of the products and their suitability for precise application fields. Please consider possible industrial property rights.



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