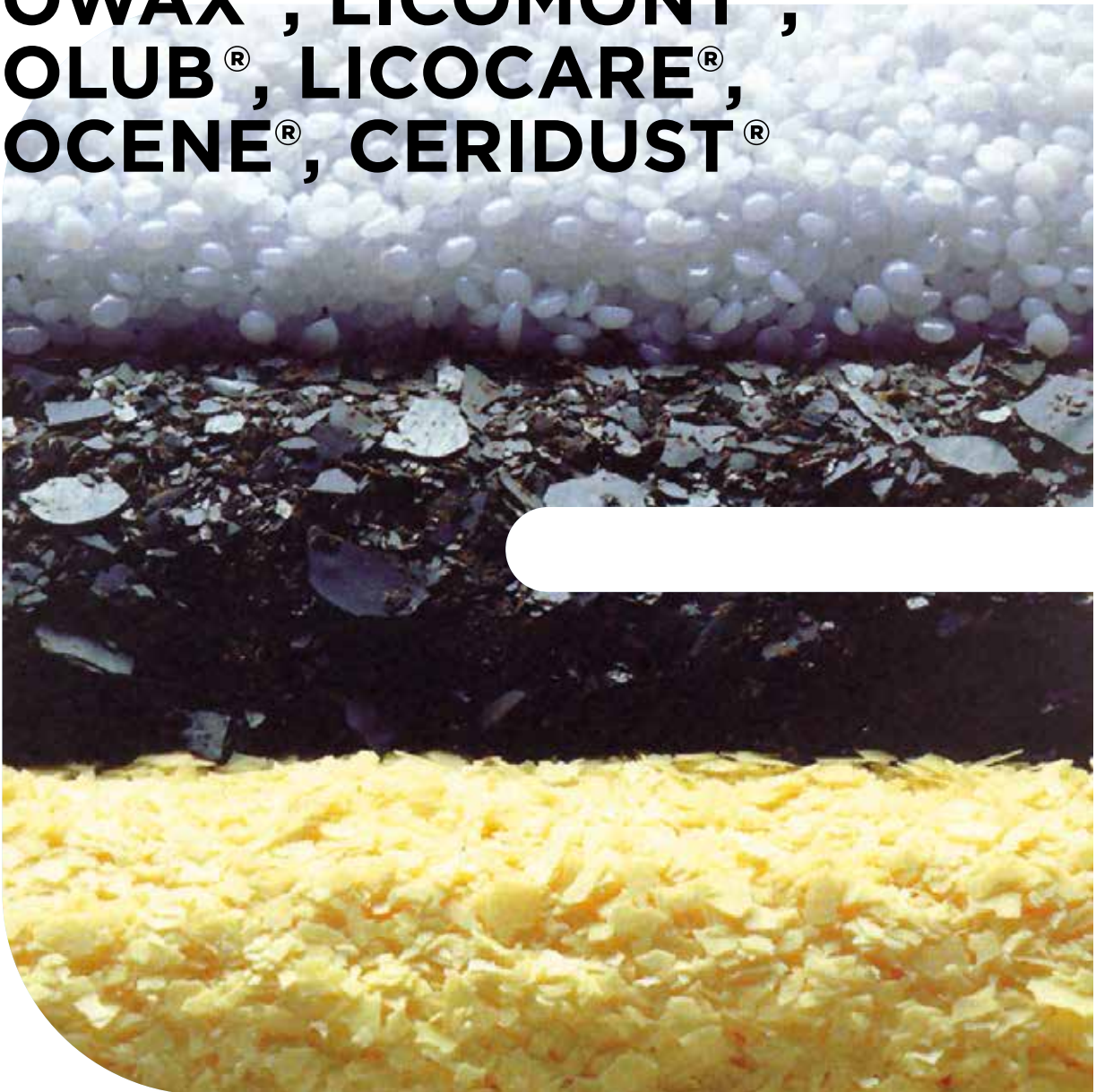


## General leaflet waxes

**LICOWAX<sup>®</sup>, LICOMONT<sup>®</sup>,  
LICOLUB<sup>®</sup>, LICOCARE<sup>®</sup>,  
LICOCENE<sup>®</sup>, CERIDUST<sup>®</sup>**



# General leaflet waxes

## INTRODUCTION

Innovative solutions based on our technology and chemistry platforms of Montan-, Amide-, traditional Ziegler-Natta and new Metallocene Polyolefin waxes offer our customers the most diversified portfolio of specialty waxes.

Additional modification and micronization provide further features and possibilities to meet your requirements.

Our extensive technical know-how and support, combined with strong research and development capabilities provide customers with leading edge solutions for their needs.

Leading brands are:

**LICOWAX®**  
**LICOMONT®**  
**LICOLUB®**  
**LICOCARE®**  
**LICOCENE®**  
**CERIDUST®**

Clariant's Business Line Waxes can offer you global support in the following main application fields:

- Engineering Resins
- PVC
- Polyolefins
  
- Coatings and Inks
- Adhesives
- Polish and Care
- Emulsions, and many more.

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# General leaflet waxes

## TEST METHODS

### TEST METHODS

Melting point	[°C]	DSC
Drop point	[°C]	ISO 2176, ASTM D 3954
Softening point	[°C]	ASTM D 3104
Acid value	[mg KOH/g]	ISO 2114, ASTM D 1386
Saponification value	[mg KOH/g]	ISO 3681, ASTM D 1387
Density at 23 °C	[g/cm <sup>3</sup> ]	ISO 1183
Viscosity	[mPa·s]	DIN 53019

**DIN** Deutsches Institut für Normung e. V.,  
Berlin

**ASTM** American Society for Testing and  
Materials, Philadelphia

**ISO** International Organization for  
Standardization, Geneva, Switzerland



# General leaflet waxes

## MONTAN WAXES

PRODUCT NAME	CHEMICAL CHARACTERISATION	PHYSICAL AND CHEMICAL PROPERTIES	
		Drop point [°C]	Acid value [mg KOH/g]
LICOWAX S	Acid wax	~ 82	~ 144
LICOWAX LP	Acid wax	~ 86	~ 122
LICOWAX SW	Bright acid wax	~ 84	~ 125
LICOWAX SC 131 TP <sup>◇</sup>	Modified montan-based acid wax	~ 82	~ 110
LICOWAX E	Ester of montanic acid with multifunctional alcohols	~ 81	~ 18
LICOWAX KPS	Ester of montanic acids with multifunctional alcohols	~ 80	~ 30
LICOWAX KSL	Ester of montanic acids with multifunctional alcohols	~ 82	~ 31
LICOWAX KST	Ester of montanic acids with multifunctional alcohols	~ 60	< 5
LICOWAX KC 132 TP <sup>◇</sup>	Modified montan-based ester wax	~ 81	~ 28
LICOLUB WE 4	Ester of montanic acids with multifunctional alcohols	~ 80	~ 26
LICOLUB WM 31	Ester of long chain aliphatic acid mixture with multifunctional alcohols	~ 74	~ 12
LICOLUB WE 40	Ester of montanic acids	~ 76	~ 20
LICOWAX OP	Partly saponified, ester wax	~ 99	~ 12
LICOWAX O	Partly saponified, bright ester wax	~ 99	~ 13
LICOWAX KLE	Emulsifier containing ester wax	~ 83	~ 29
LICOMONT NAV 101	Sodium soap of montanic acids	–	< 5
LICOMONT CAV 102	Calcium soap of montanic acids	–	~ 10



Saponification value [mg KOH/g]	Density at 23 °C [g/cm <sup>3</sup> ]	Viscosity at 100 °C [mPa·s]	Color	Supply forms <sup>1</sup>
-170	-1.01	-20	Pale yellowish	Flakes
-155	-1.01	-20	Yellowish	Flakes
-160	-1.01	-20	Almost white to pale yellowish	Flakes
-136	-	-60	Yellowish	Flakes
-150	-1.02	-20	Pale yellowish	Flakes, Powder
-143	-1.01	-	Yellowish	Flakes
-151	-1.01	-30	Yellowish	Flakes
<15	-	-	Pale yellowish	Fine grain
-122	-	-70	Yellowish	Granules
-155	-1.01	-60	Yellowish	Powder
-168	-1.00	-26	Pale yellowish	Flakes, Powder
-183	-1.02	-150	Yellowish	Flakes, Powder
-112	-1.02	-300 (120 °C)	Yellowish	Flakes, Powder
-120	-1.02	-200 (120 °C)	Yellowish	Flakes
-114	-1.01	-	Yellowish	Flakes
-	-	-	Yellowish	Powder
-	-	-	Pale yellowish	Fine grain, Powder

1 Fine grain: < 2000 µm, Powder: < 500 µm, Fine powder: < 125 µm, Micro powder: < 60 µm, Micronized powder: < 50 µm (d<sub>90</sub>-value)

TP\* Test product

# General leaflet waxes

## POLYOLEFIN WAXES

PRODUCT NAME	CHEMICAL CHARACTERISATION	PHYSICAL AND CHEMICAL PROPERTIES
		Drop point [°C]
LICOWAX PE 520	Polyethylene wax	-120**
LICOWAX PE 130	High density polyethylene wax	-130**
LICOWAX PE 190	High molecular, high density polyethylene wax	-135*
LICOCENE PE 4201	Metallocene polyethylene wax	-128**
LICOCENE PE 5301	Metallocene polyethylene wax	-130**
LICOCENE PP 1302	Amorphous metallocene propylene-ethylene-copolymer wax	-90**
LICOCENE PP 1502	Amorphous metallocene propylene-ethylene-copolymer wax	-86*
LICOCENE PP 1602	Amorphous metallocene propylene-ethylene-copolymer wax	-88*
LICOCENE PP 2602	Amorphous metallocene propylene-ethylene-copolymer wax	-99*
LICOCENE PP 3602 TP <sup>◇</sup>	Amorphous metallocene propylene-ethylene-copolymer wax	-111*
LICOCENE PP 6102	Metallocene polypropylene wax	-145**
LICOCENE PP 6502	Metallocene polypropylene wax	-148*
LICOCENE PP 7502	Metallocene polypropylene wax	-163*
LICOCENE PO 462 TP <sup>◇</sup>	Propylene-ethylene-copolymer wax modified with polyethylene wax	-124*



Density at 23 °C [g/cm <sup>3</sup> ]	Viscosity at 170 °C [mPa·s]	Color	Supply forms <sup>1</sup>
-0.93	-650 (140 °C)	White	Granules, Fine grain, Powder
-0.97	-350 (140 °C)	White	Granules, Powder
-0.96	-25000 (140 °C)	White	Powder
-0.97	-60 (140 °C)	White	Granules, Powder
-0.97	-350 (140 °C)	White	Granules
-0.87	-200	White	Granules, Fine grain
-0.87	-1800	White	Granules, Fine grain
-0.87	-6000	White	Granules
-0.88	-6300	White	Granules, Fine grain
-0.90	-9300	White	Granules, Fine grain
-0.90	-60	White	Granules, Fine grain
-0.90	-1500	White	Granules, Fine grain
-0.90	-1800	White	Granules, Fine grain
-	-4500	White	Granules

<sup>1</sup> Fine grain: < 2000 µm, Powder: < 500 µm, Fine powder: < 125 µm, Micro powder: < 60 µm, Micronized powder: < 50 µm (d<sub>90</sub>-value)

\* Softening point

\*\* Drop point (ASTM D 3954)

TP\* Test product

# General leaflet waxes

## POLAR MODIFIED POLYOLEFIN WAXES

PRODUCT NAME	CHEMICAL CHARACTERISATION	PHYSICAL AND CHEMICAL PROPERTIES	
		Drop point [°C]	Acid value [mg KOH/g]
LICOLUB H 12	Oxidized, high density polyethylene wax	~104	-17
LICOWAX PED 521	Oxidized, high density polyethylene wax	~104	-17
LICOWAX PED 522	Oxidized, high density polyethylene wax	~101	-25
LICOWAX PED 121	Oxidized, high density polyethylene wax	~116	-18
LICOWAX PED 153	Oxidized, high density polyethylene wax	~120	-25
LICOWAX PED 191	Oxidized polyethylene wax with high viscosity	~123	-17
LICOWAX PED 192	Oxidized polyethylene wax with high viscosity	~123	-22
LICOWAX 371 FP	Oxidized EVA wax	~102	-21





Density at 23 °C [g/cm <sup>3</sup> ]	Viscosity at 120 °C [mPa·s]	Color	Supply forms <sup>1</sup>
-0.95	~350	Almost white	Fine grain
-0.95	~350	Almost white	Granules
-0.96	~250	Almost white	Granules
-0.98	~150 (140 °C)	Almost white	Flakes
-0.98	~1500 (140 °C)	Almost white	Flakes
-0.98	~1800 (140 °C)	Almost white	Flakes, Powder
-0.98	~1500 (140 °C)	Almost white	Flakes
-0.96	~3000	Almost white	Flakes

1 Fine grain: < 2000 µm, Powder: < 500 µm, Fine powder: < 125 µm, Micro powder: < 60 µm, Micronized powder: < 50 µm (d<sub>90</sub>-value)

# General leaflet waxes

## MODIFIED POLYOLEFIN WAXES

PRODUCT NAME	CHEMICAL CHARACTERISATION	PHYSICAL AND CHEMICAL PROPERTIES	
		Drop point [°C]	Acid value [mg KOH/g]
LICOCENE PE MA 4221	Functionalized metallocene polyethylene wax	~123**	~18
LICOCENE PE MA 4351	Functionalized metallocene polyethylene wax	~123**	~45
LICOCENE PP MA 6252	Functionalized metallocene polypropylene wax	~140	~42
LICOCENE PP MA 6452	Functionalized metallocene polypropylene wax	~144*	~41
LICOCENE PP MA 7452 TP <sup>◇</sup>	Functionalized metallocene polypropylene wax	~159*	~41
LICOCENE PE SI 3361 TP <sup>◇</sup>	Functionalized metallocene polyethylene wax	~119**	–
LICOCENE PP MA 1332 TP <sup>◇</sup>	Propylene-ethylene-maleic anhydride copolymer	~85**	~18



Density at 23 °C [g/cm <sup>3</sup> ]	Viscosity at 170 °C [mPa·s]	Color	Supply forms <sup>1</sup>
-0.98	~140 (140 °C)	Almost white	Fine grain
-0.99	~350 (140 °C)	Yellowish	Granules, Fine grain
-	~100	Yellowish	Granules
-0.93	~1100	Yellowish	Granules, Fine grain
-0.93	~1100	Yellowish	Granules
-	~150 (140 °C)	White	Cast in drums
-	~240 (170 °C)	Yellowish translucent	Cast in drums

<sup>1</sup> Fine grain: < 2000 µm, Powder: < 500 µm, Fine powder: < 125 µm, Micro powder: < 60 µm, Micronized powder: < 50 µm (d<sub>90</sub>-value)

\* Softening point

\*\* Drop point (ASTM D 3954)

TP♦ Test product



# General leaflet waxes

## MICRONIZED WAXES

PRODUCT NAME	CHEMICAL CHARACTERISATION	PHYSICAL AND CHEMICAL PROPERTIES
		Drop point [°C]
CERIDUST 2051	Hydrocarbon wax	- 112
CERIDUST 3251	Modified polyethylene wax	- 123
CERIDUST 3610	High density polyethylene wax	- 128**
CERIDUST 3620	Polyethylene wax	- 125
CERIDUST 3715	Modified polyethylene wax	- 125
CERIDUST 3716 TP <sup>◇</sup>	Modified polyethylene wax	- 125
CERIDUST 3910	Amide wax	- 142
CERIDUST 3920 F	Polytetrafluoroethylene modified polyethylene wax	- 127+
CERIDUST 3940 F	Polytetrafluoroethylene modified polyethylene wax	- 127+
CERIDUST 3941 F	Polytetrafluoroethylene modified polyethylene wax	- 127+
CERIDUST 5551	Partly saponified ester of montanic acids	- 92
CERIDUST 6050 M	Polypropylene wax	- 145**
CERIDUST 6721	Polypropylene wax / Amide wax	- 142**
CERIDUST 8020	Highly modified copolymer wax	- 74
CERIDUST 8090 TP <sup>◇</sup>	Renewable polymer	n/a
CERIDUST 8091 TP <sup>◇</sup>	Renewable polymer	n/a
CERIDUST 8330 TP <sup>◇</sup>	Wax compound, based on renewable source	n/a
CERIDUST 9202 F	Polytetrafluoroethylene	-
CERIDUST 9205 F	Polytetrafluoroethylene	-
CERIDUST 9610 F	Polytetrafluoroethylene modified polyethylene wax	- 127+
CERIDUST 9615 A	Wax compound, based on polyethylene wax and amide wax	- 140
CERIDUST 9630 F	Polytetrafluoroethylene modified polyethylene wax	- 127+



Acid value [mg KOH/g]	Particle size [d <sub>50</sub> (µm)]	Color	Supply forms <sup>1</sup>
-	~ 6.5	White	Micronized powder
-	~ 7.0	White	Micronized powder
-	~ 5.0	White	Micronized powder
-	~ 8.5	White	Micronized powder
~4	~ 8.5	White	Micronized powder
~5.5	~ 8.5	White	Micronized powder
~7	~ 6.5	White	Micronized powder
<1	~ 6	White	Micronized powder
<1	~13.5	White	Micronized powder
<1	~13.5	White	Micronized powder
~16	~ 8.5	Yellowish	Micronized powder
-	~9.5	White	Micronized powder
~3	~ 7.5	White	Micronized powder
~85	~ 8.0	Pale yellowish	Micronized powder
-	~ 30	White	Micronized powder
-	~ 8.0	White	Micronized powder
n/a	~ 5.5	White	Micronized powder
-	~ 4	Almost white	Micronized powder
-	~ 8	Almost white	Micronized powder
-	~ 8.5	White	Micronized powder
~4	~ 6.5	White	Micronized powder
~2	~ 8.0	White	Micronized powder

<sup>1</sup> Fine grain: < 2000 µm, Powder: < 500 µm, Fine powder: < 125 µm, Micro powder: < 60 µm, Micronized powder: < 50 µm (d<sub>90</sub>-value)

+ Melting point

\*\* Drop point (ASTM D 3954)

TP\* Test product

# General leaflet waxes

## AMIDE WAXES

PRODUCT NAME	CHEMICAL CHARACTERISATION	PHYSICAL AND CHEMICAL PROPERTIES				
		Drop point [°C]	Acid value [mg KOH/g]	Density at 23 °C [g/cm <sup>3</sup> ]	Color	Supply forms <sup>1</sup>
LICOWAX C	Amide wax	-142	< 8	-1.00	White	Powder
LICOLUB FA 1 POWDER VEGETABLE BASED	Amide wax	-142	< 8	-1.00	Almost white	Powder
LICOWAX C MICRO POWDER PM	Amide wax	-142	< 8	-1.00	White	Micro powder

<sup>1</sup> Fine grain: < 2000 µm, Powder: < 500 µm, Fine powder: < 125 µm, Micro powder: < 60 µm, Micronized powder: < 50 µm (d<sub>90</sub>-value)



# General leaflet waxes

## SPECIAL PRODUCTS

PRODUCT NAME	CHEMICAL CHARACTERISATION	PHYSICAL AND CHEMICAL PROPERTIES					
		Drop point [°C]	Acid value [mg KOH/g]	Density at 23 °C [g/cm <sup>3</sup> ]	Viscosity at 120 °C [mPa·s]	Color	Supply forms <sup>1</sup>
<b>WAX EMULSIFIER 2106</b>	Contains alkyl phenol ethoxylate	- 57	-	-	-	White	Blocks
<b>WAX EMULSIFIER 4106</b>	Contains Alkylethoxylates	- 55	-	-	-	White	Blocks
<b>LICOWAX R 21</b>	Branched alkane carboxylic acid/salt	- 110	max. 10	- 0.94	-	White	Flakes
<b>LICOLUB H 4</b>	Modified hydrocarbon wax	- 111	-	- 0.92	max. 10	White	Fine grain
<b>LICOMONT BS 100</b>	Mixture of fatty acid derivatives	- 142	< 8	- 1.00	-	Almost white	Granules, Powder
<b>LICOLUB CE 2</b>	Highly polar modified copolymer wax	- 74	- 85	-	- 350 (100 °C)	Pale yellowish	Granules, Fine grain
<b>LICOCARE SBW 11 TP*</b>	Modified soya bean wax	- 55	typical 0	-	-	Off-white	Powder

<sup>1</sup> Fine grain: < 2000 µm, Powder: < 500 µm, Fine powder: < 125 µm, Micro powder: < 60 µm, Micronized powder: < 50 µm (d<sub>90</sub>-value)

TP\* Test product



# General leaflet waxes

## **SAFETY DATA**

A safety data sheet giving further details is available for each Clariant product introduced here.

The toxicological and ecological properties were tested on typical products in the range. The vast majority of products are non-toxic and no special labeling is required. The most recent values are given in the safety data sheets.

### **TOXICOLOGICAL PROPERTIES**

#### **Acute oral toxicity**

The acute oral toxicity (LD<sub>50</sub>) of most products is > 2,000 mg/kg (rat or mouse).

When handling Ceridust 9202 F, Ceridust 9205 F, Ceridust 9610 F, Ceridust 3920 F, Ceridust 3940 F, Ceridust 9630 F and Ceridust 3941 F, the usual precautions for products containing PTFE should be observed. It is essential to avoid contamination of clothes and tobacco. Dangerous decomposition products can be formed at temperatures above 300 °C.

#### **Status according to (CLP) EC 1272/2008**

The products mentioned here do usually not require a hazard warning label under the CLP regulations on dangerous substances (EC 1272/2008).

Wax emulsifier 2106 has to be labeled with N, R 50/53.

Wax emulsifier 4106 has to be labeled with Xn, N, R 22, 38, 41, 50.

#### **Notes on handling powders**

When handling organic powders, VDI Directive 2263 »Prevention of dust fires and dust explosions« or the corresponding national regulations should be observed.

#### **Status according to the European chemicals law (REACH)**

The products mentioned in this data sheet or its monomers are either preregistered, registered or as polymer exempt from registration (EC 1907/2006).

#### **Status under food legislation**

A number of the products mentioned here are permitted to be used as indirect additives under the food legislation of the Federal Republic of Germany and certain other countries, or comply with the recommendations of certain government health departments. These products may thus be used for the manufacture of consumer commodities which come into contact with food. Detailed information is available upon request. Please contact our sales representatives or refer to our Product Data Sheets or Material Safety Data Sheets.



# General leaflet waxes

## **TRANSPORT AND STORAGE**

### **STORAGE**

The products described in this leaflet have a minimum shelf life of two years from date of delivery when stored in a dry place at room temperature.

### **DISPATCH, TRANSPORT**

RID, GGVE, ADR, GGVS, ADNR, IMDG-Code, ICAO/IATA-DGR  
The products mentioned in this leaflet are not classified as dangerous goods under these regulations.



# Portfolio WAXES

	Engineering Resin	PVC	Masterbatch	Polish/Emulsions	Hot melt	Water-based Coatings	Solvent based Coatings	Powder Coatings	Water based inks	Solvent based inks	Lubricants	Powder metallurgy	Road construction
<b>Montan Waxes</b>													
LICOLUB WE 4	Recommended	Recommended	Recommended										
LICOLUB WE 40	Recommended	Recommended	Recommended										
LICOLUB WM 31	Applicable	Recommended											
LICOMONT CAV 102	Recommended												
LICOMONT NAV 101	Recommended												
LICOWAX E	Recommended	Recommended	Recommended	Recommended				Applicable					
LICOWAX KLE				Recommended									
LICOWAX KPS				Recommended									
LICOWAX KSL				Recommended									
LICOWAX KST				Recommended									
LICOWAX LP				Recommended									
LICOWAX O				Recommended									
LICOWAX OP	Recommended	Recommended	Recommended	Recommended				Applicable					
LICOWAX S	Recommended			Recommended									
LICOWAX SW				Recommended									
LICOWAX SC 131 TP <sup>+</sup>				Recommended	Applicable	Applicable	Applicable						
LICOWAX KC 132 TP <sup>+</sup>				Recommended	Applicable	Applicable	Applicable						
<b>Polyolefin waxes</b>													
LICOWAX PE 130		Applicable	Applicable		Applicable		Applicable	Recommended		Recommended			
LICOWAX PE 190		Recommended	Recommended		Applicable		Applicable						
LICOWAX PE 520		Recommended	Recommended	Recommended	Recommended		Recommended	Recommended		Recommended			
LICOCENE PE 4201		Recommended	Recommended		Recommended		Recommended	Recommended		Recommended			Applicable
LICOCENE PE 5301					Applicable		Applicable	Recommended		Recommended			
LICOCENE PO 462 TP <sup>+</sup>					Recommended								
LICOCENE PP 1302			Recommended	Applicable	Recommended								
LICOCENE PP 1502			Recommended	Applicable	Recommended								
LICOCENE PP 1602			Recommended	Applicable	Recommended								
LICOCENE PP 2602			Recommended	Applicable	Recommended								
LICOCENE PP 3602 TP <sup>+</sup>			Recommended		Recommended								
LICOCENE PP 6102		Recommended	Recommended		Recommended			Recommended					
LICOCENE PP 6502			Recommended		Recommended								
LICOCENE PP 7502 TP <sup>+</sup>			Recommended		Recommended								
<b>Polar polyolefin waxes</b>													
LICOLUB H 12	Recommended	Recommended	Applicable										
LICOWAX 371 FP				Recommended	Applicable		Recommended						
LICOWAX PED 121				Recommended	Applicable	Applicable	Applicable						
LICOWAX PED 521	Recommended	Recommended		Recommended	Applicable	Applicable	Applicable						
LICOWAX PED 522		Applicable		Recommended	Applicable	Applicable	Applicable						
LICOWAX PED 153				Recommended	Applicable								
LICOWAX PED 191	Recommended	Recommended	Applicable	Recommended									
LICOWAX PED 192				Recommended									

TP<sup>+</sup> Test Product

Recommended

Applicable

	Engineering Resin	PVC	Masterbatch	Polish / Emulsions	Hot melt	Water based Coatings	Solvent based Coatings	Powder Coatings	Water based inks	Solvent based inks	Lubricants	Powder metallurgy	Road construction
<b>Modified polyolefin waxes</b>													
LICOCENE PE SI 3361 TP <sup>◇</sup>					Recommended								
LICOCENE PP MA 1332 TP <sup>◇</sup>				Recommended	Recommended								
LICOCENE PE MA 4221	Recommended	Recommended	Recommended	Applicable	Applicable								
LICOCENE PE MA 4351		Applicable	Recommended	Recommended	Applicable								
LICOCENE PP MA 6252			Applicable	Applicable	Applicable								
LICOCENE PP MA 6452			Recommended	Applicable	Recommended	Applicable							
LICOCENE PP MA 7452 TP <sup>◇</sup>			Recommended	Applicable	Recommended								
<b>Ceridust</b>													
CERIDUST 2051							Recommended	Recommended		Recommended			
CERIDUST 3251							Recommended	Recommended		Recommended			
CERIDUST 3610			Applicable				Recommended	Applicable		Recommended			
CERIDUST 3620			Recommended				Recommended	Applicable		Recommended			
CERIDUST 3715			Applicable	Recommended		Recommended	Applicable		Recommended	Applicable			
CERIDUST 3716 TP <sup>◇</sup>			Applicable	Recommended		Recommended	Applicable		Recommended	Applicable			
CERIDUST 3910	Recommended		Applicable		Applicable		Recommended	Recommended		Recommended			
CERIDUST 3920 F							Recommended	Recommended		Recommended			
CERIDUST 3940 F							Recommended	Recommended		Recommended			
CERIDUST 3941 F							Recommended	Recommended		Recommended			
CERIDUST 5551	Recommended						Recommended	Applicable		Recommended			
CERIDUST 6050 M			Recommended				Applicable	Recommended		Recommended			
CERIDUST 6721							Recommended	Applicable		Recommended			
CERIDUST 8020	Applicable					Recommended	Recommended	Applicable		Recommended			
CERIDUST 8090 TP <sup>◇</sup>						Recommended			Applicable				
CERIDUST 8091 TP <sup>◇</sup>						Recommended			Applicable				
CERIDUST 8330 TP <sup>◇</sup>									Recommended	Recommended			
CERIDUST 9202 F							Applicable			Applicable	Recommended		
CERIDUST 9205 F							Applicable			Applicable	Recommended		
CERIDUST 9610 F							Recommended	Recommended		Recommended			
CERIDUST 9615 A						Applicable	Recommended	Recommended	Recommended	Recommended			
CERIDUST 9630 F							Recommended	Recommended		Recommended			
<b>Amide Waxes</b>													
LICOLUB FA 1 P	Recommended	Recommended	Applicable										
VEGETABLE BASED	Recommended	Recommended	Applicable										
LICOWAX C	Recommended	Recommended	Applicable										
LICOWAX C MICRO POWDER PM												Recommended	
<b>Special products</b>													
LICOCARE SBW 11 TP <sup>◇</sup>		Recommended											
LICOLUB CE 2	Recommended	Recommended		Applicable									
LICOLUB H 4		Recommended											
LICOMONT BS 100	Applicable												Recommended
LICOWAX R 21				Recommended									
WAX EMULSIFIER 2106				Recommended									
WAX EMULSIFIER 4106				Recommended									

TP<sup>◇</sup> Test Product    Recommended    Applicable

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