SK LOTRYL®

SK LOTADER®

SK OREVAC®

SK EVATANE®

EVASIN™

SK functional polymer



ACRYLATE COPOLYMERS

LOTRYL®

Ethylene-acrylate copolymers

Grade	Type	Comonomer content (wt%)	Melt index (g/10 min) (190°C - 2.16 kg)	Melting point (°C)	Vicat softening temp. (°C)	Hardness Shore A/D	Flexural modulus (MPa)
18MA02	EMA Autoclave	18	2	83	53	-/25	50
20MA08		20	8	76	46	83/-	20
24MA005		24	0.5	72	45	84/-	18
24MA02		24	2	68	49	79/-	18
28MA07		28	7	65	< 40	-	10
29MA03		29	3	61	< 40	75/-	10
30BA02	EBA Autoclave	30	2	73	41	75/-	< 10
35BA40		35	40	66	< 40	70/-	< 10
35BA320		35	320	65	< 40	52/-	< 10
24MA02T	EMA Tubular	24	2	95	40	81/24	17
24MA07T		24	7	97	49	78/20	36
29MA03T		29	3	92	< 40	73/18	12
40MA05T		40	5	75	< 40	41/7	<10
17BA07T	EBA Tubular	17	7	107	64	93/33	73
28BA175T		28	175	102	< 40	80/-	< 10
28BA700T		28	700	94	< 40	-	< 10
35BA40T		35	40	89	< 40	60/-	< 10
35BA320T		35	320	90	< 40	54/-	< 10
Test Method		Internal method	ISO 1133	ISO 11357	ISO 306	ISO 868	ISO 178

MA (Methyl Acrylate), BA (Butyl Acrylate) - Grades containing the letter «T» are manufactured by tubular process.

LOTRYL® SPECIALTIES

Seal-Peel resins and Masterbatches

Bestpeel	Carrier resin	Melt index (g/10 min) (190°C - 2.16 kg)	Melting point (°C)	Vicat softening temp. (°C)	Food compliance
BESTPEEL 2012	EMA	11	79	42	EU
BESTPEEL 2008		7	79	46	FDA/EU
BESTPEEL 2407		2	69	< 40	FDA/EU
BESTPEEL 2805V	EVA	6	72	40	FDA/EU

Masterbatches	Carrier resin	Anti-block	Slip agent	Soft touch
MM1288	EMA	●	●	
MM1297		●		
MM1338		●	●	
MM1339	PE	●	●	●

REACTIVE TERPOLYMERS

LOTADER®

Glycidyl methacrylate-based copolymers and terpolymers

Grade	Reactive group (wt%)		Comonomer (wt%)	Melt index (g/10 min) (190°C - 2.16 kg)	Melting point (°C)	Vicat softening temp. (°C)
AX8850	GMA Epoxide	**12**	-	40	98	62
AX8840		**8**	-	5	104	87
AX8700		**8**	BA (25)	9	72	< 40
AX8900		**8**	MA (24)	6	65	< 40
AX8900T		***8***	*MA (24)*	*6*	*91*	*< 40*
AX8750T		**5**	BA (27)	15	93	< 40
AX8750		**5**	BA (25)	12	72	< 40
AX8930		**3**	MA (25)	7	67	< 40

Maleic anhydride-based terpolymers

Grade	Reactive group (wt%)		Comonomer (wt%)	Melt index (g/10 min) (190°C - 2.16 kg)	Melting point (°C)	Vicat softening temp. (°C)
4210	MAH High content	**3.6**	BA (6.5)	10	105	69
3410		**3.1**	BA (17)	5	89	47
3430		**3.1**	MA (15)	7	84	45
3210		**3.1**	BA (6)	5	107	76
LX4110		**3**	EA (5)	5	105	78
5500		**2.8**	EA (20)	20	80	45
HX8290		**2.8**	EA (17.5)	70	85	< 40
TX8030		**2.8**	EA (13)	3	95	65
8200		**2.8**	EA (6.5)	200	100	57
6200		**2.8**	EA (6.5)	40	102	66
4700	MAH Low content	**1.3**	EA (29)	7	65	< 40
9305T		**0.6**	VA (28)	180	68	< 40
18603T		**0.5**	MA (29)	3.5	92	< 40
4513T		**0.3**	MA (24)	8	96	41
4613T		**0.3**	MA (24)	7	98	41
4503		**0.3**	MA (20)	8	80	45
9304T		**0.2**	VA (25)	7.5	80	49
9318T		**0.2**	VA (18.5)	7	86	54
9307YT		**0.2**	VA (14)	10.5	93	66
Test Method			Internal method	ISO 1133	ISO 11357-3	ISO 306

MAH: Maleic anhydride - GMA: Glycidyl methacrylate - MA: Methyl Acrylate - BA: Butyl Acrylate - EA: Ethyl Acrylate - VA: Vinyl Acetate

GRAFTED POLYOLEFINS

OREVAC®

Maleic anhydride grafted
PE, PP, EVA

Grade	Base polymer	Reactivity*	Melt index (g/10 min) (190°C - 2.16kg)	Melting point (°C)	Vicat softening temp. (°C)	Density
18211	EVA	+	3.5	75	51	0.95
OE850	LDPE	+++	7.5	104	89	0.91
18302N	LLDPE	++	1.5	123	84	0.91
18300		++	2.5	120	85	0.92
18300M		++	2.5	120	85	0.92
18334		+	1.0	125	101	0.92
18341		++++	1.5	121	95	0.92
18343		++++	<2	121	95	0.92
18362		++	2.5	123	95	0.92
OE825		+++	3.0	118	100	0.91
18342N	HDPE	+	3.5	125	110	0.93
18507		+++	5.0	128	126	0.95
IM800	VLDPE	++	0.8	55	< 40	0.87
Test method		Internal method	ISO 1133	ISO 11357	ISO 306	ISO 1183

Grade	Base polymer	Reactivity*	Melt index (g/10 min) (230°C - 2.16kg)	Melting point (°C)	Vicat softening temp. (°C)	Density
18729	PPH	+	4.5	162	137	0.90
18730		+	3	162	137	0.90
18750		++	35	160	121	0.92
18751		+	35	160	138	0.91
CA100	PPC	+++	10**	167	147	0.91
18790	PPR	+++	45**	137	115	0.90
18722		+	7	143	120	0.90
18732		+	8	134	120	0.89
18780***		++	*18*	*147*	*99*	*0.88*
Test method		Internal method	ISO 1133	ISO 11357	ISO 306	ISO 1183

* Reactivity MAH% :
+ : < 0.2% / ++ : 0.2-0.6% / +++ : 0.6-1.0% / ++++ : >1%

** Melt index @ 190°C, 325 g

***Orevac® 18780 grade under development

EVA/EVOH COPOLYMERS

EVATANE®

Ethylene-vinyl acetate copolymers

Grade	VA content (wt%)	Melt index (g/10 min) (190°C - 2.16kg)	Melting point (°C)	Vicat softening temp. (°C)	Ring and ball temp. (°C)
18-150	18	150	88	43	102
18-500	18	500	86	43	94
20-20	20	20	83	46	127
24-03	24	03	80	46	183
28-03	27	03	76	41	166
28-05	28	05	72	40	160
28-25	28	25	71	< 40	120
28-25 PV	28	25	71	< 40	120
28-420	28	420	66	< 40	84
28-800	28	800	63	< 40	80
33-45	33	45	62	< 40	107
33-400	33	400	63	< 40	84
40-55	40	55	55	< 40	97
Test Method	Internal method	ISO 1133	ISO 11357-3	ISO 306	NF EN1238

EVASIN™

Ethylene-vinyl alcohol copolymers

(a trademark of Chang Chun Petrochemicals, Taiwan)

Grade	Ethylene content (mol %)	Melt index (g/10 min)		Melting point (°C)	Crystalization point (°C)	Glass transition point (°C)	O_2 Transmission Rate (65% RH, 20°C) (cm^3.20µm/m^2.24hrs.atm)
		190°C–2.16 kg	210°C–2.16 kg				
EV 2951F	29	3	2.5	188	163	62	0.2
EV 3251F	32	1.7	4.01	183	159	60	0.3
EV 3251FT	32	1.9	4.3	183	155	57	0.5
EV 3851F/V	38	1.8	3.9	173	151	57	0.7
EV 4405F	44	5.5	12.0	165	146	55	1.8
EV 4451F	44	1.8		165	146	54	1.8
Test Method		ISO 1133		ISO 11357			ISO 14663-2

F: Lubricated V: Non lubricated T: For thermoforming

SK Functional Polymer (SKFP) has produced specialty polyolefins for more than 50 years. Thanks to their unique combination of functionalities (epoxide, maleic anhydride, acrylate, or vinyl acetate), SKFP resins have ignited innovation in recycled plastics, engineering compounds, food oxygen-barrier packaging composites and construction insulation membranes. SKFP is a member of SK GROUP, the south Korean giant conglomerate.

COMPOUNDING & RECYCLING

- Impact modifier
- Viscosity modifier
- Recycling agent
- Compatibilizer
- Adhesion promoter



PACKAGING

- Easy Peel resin
- Tie layer
- EVOH Oxygen barrier
- Easy Peel



ENERGY & CONSTRUCTION

- Insulation membranes
- PV encapsulant
- HFFR compounds
- Bitumen additives



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Disclaimer: Please consult SK Functional Polymer disclaimer regarding the use of SK FP products on www.sk-fp.com

Regulatory information: for information on regulatory compliance, consult your local representative. All the information in this document is provided to the best of our knowledge. However, it does not constitute a commitment or guarantee regarding its use in any specific application

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Catalog

MADE IN FRANCE

SK functional polymer

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