

SUKOREZ[®]
KOLON INDUSTRIES

HIKOREZ[®]
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HIKOTACK[®]
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MKOREZ[®]
KOLON INDUSTRIES

*Kolon hydrocarbon resins meet the customer's needs
by offering a wide and innovative technology.*





Specifications

1) 50% Toluene Solution 2) 100% Molten Resin (200°C, 5hrs)

Item Unit	Softening Point°C	Color ¹⁾ Hazen#	Heat Stability ²⁾ Gardner#	Acid Value KOHmg/g	Features	Production Site
Test Method	ASTM E 28	ASTM D 1209	ASTM D 1544	ASTM D 974		
SU-90	85 ~ 95	Max. 50	Max. 2	Max. 0.1	Low SP and Waterwhite	Ulsan
SU-100	100 ~ 109	Max. 50	Max. 2	Max. 0.1	General Purpose, Waterwhite	Ulsan
SU-100S	97 ~ 106	Max. 50	Max. 2	Max. 0.1	Waterwhite	Yeosu, Daesan
SU-110	110 ~ 115	Max. 50	Max. 2	Max. 0.1	Waterwhite	Ulsan
SU-120	116 ~ 125	Max. 50	Max. 2	Max. 0.1	Higher SP and Waterwhite	Ulsan
SU-130	126 ~ 135	Max. 50	Max. 2	Max. 0.1	Highest SP and Waterwhite	Ulsan
SU-200	97 ~ 106	Max. 100	Max. 5	Max. 0.1	Light Color	Yeosu, Daesan
SU-210	107 ~ 114	Max. 100	Max. 5	Max. 0.1	High SP and Light Color	Yeosu, Daesan
SU-230	126 ~ 135	Max. 100	Max. 4	Max. 0.1	High SP and Light Color	Yeosu, Daesan
SU-490	86 ~ 96	Max. 50	Max. 2	Max 0.1	C9 Modified Resin, Waterwhite	Yeosu, Daesan
SU-400	97 ~ 107	Max. 50	Max. 2	Max. 0.1	C9 Modified Resin, Waterwhite	Yeosu, Daesan 
SU-401	97 ~ 107	Max. 50	Max. 2	Max. 0.1	C9 Modified Resin, Waterwhite	Yeosu
SU-420	115 ~ 125	Max. 50	Max. 2	Max. 0.1	C9 Modified Resin, Waterwhite	Yeosu, Daesan
SU-500	97 ~ 106	Max. 30	Max. 1	Max. 0.1	Excellent heat stability	Yeosu
SU-525	120 ~ 130	Max. 30	Max. 1	Max. 0.1	Excellent heat stability	Yeosu
SU-530	126 ~ 135	Max. 50	Max. 2	Max. 0.1	C9 Modified Resin, Waterwhite	Yeosu
SU-625	120 ~ 130	Max. 30	Max. 1	Max. 0.1	Excellent heat stability	Yeosu
SU-640	134 ~ 142	Max. 30	Max. 1	Max. 0.1	Excellent heat stability	Yeosu

Applications

Application	Main Components	Recommended SUKOREZ [®] Grades
Non-Woven	SIS, SBS, SEBS, me-PO	SU-90, SU-100, SU-100S, SU-120, SU-200, SU-210, SU-230, SU-400, SU-401, SU-420, SU-490, SU-500, SU-525, SU-530
Hot Melt Adhesives	EVA, me-PO	SU-100, SU-100S, SU-110, SU-120, SU-200, SU-210, SU-230, SU-400, SU-401, SU-420, SU-500, SU-525, SU-530, SU-625, SU-640
Wax Compounding	Wax	SU-100, SU-100S, SU-400, SU-401
Sealants	LDPE, APO	SU-100, SU-100S, SU-500
Polymer Modification	PE, PP	SU-625, SU-640
Water-Proof Agent	Wax	SU-100, SU-100S, SU-120, SU-500, SU-525

Aliphatic Hydrocarbon Resins

Hot Melt Adhesive(HMA) /
HMPSA / Tapes /
Hot Melt Road Marking(HMRM) /
Tire



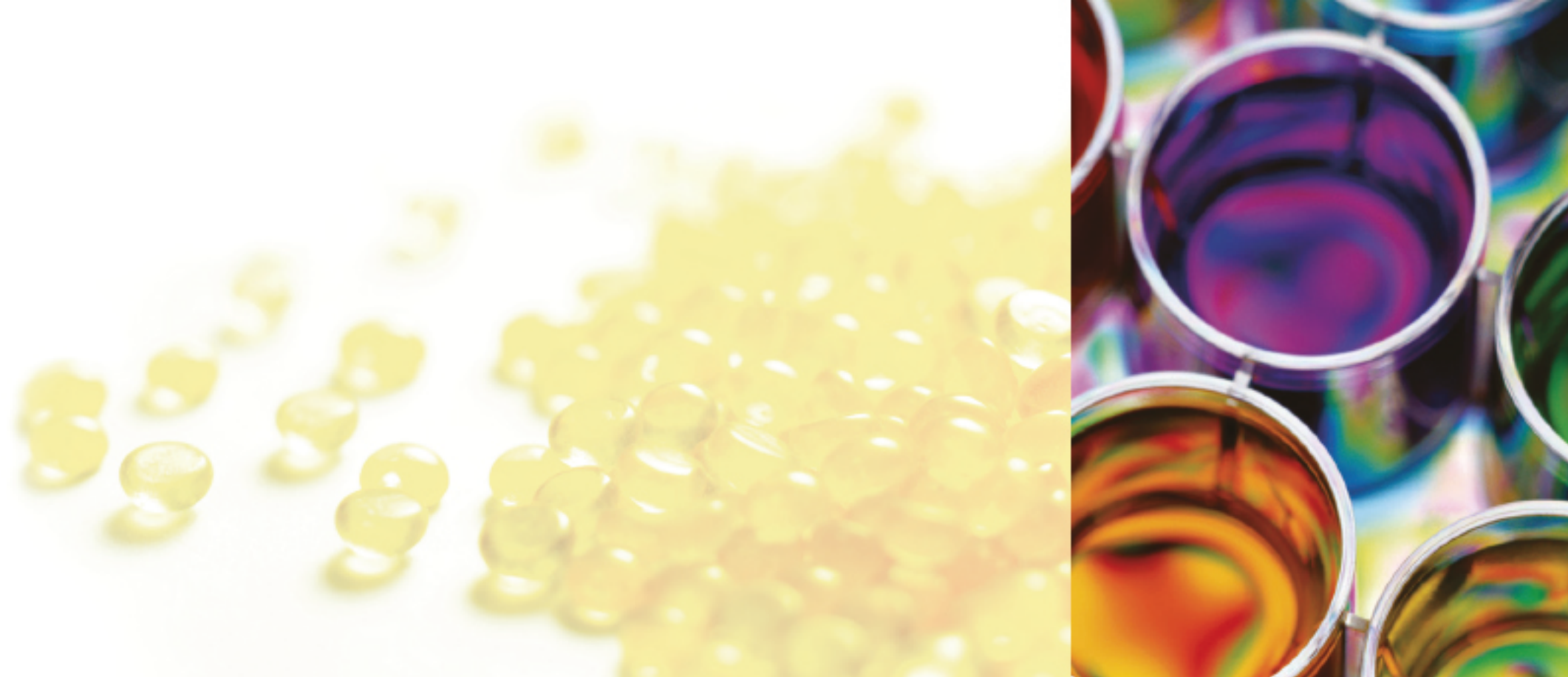
Specifications

3) 100% Molten Resin 4) 100% Molten Resin (200°C, 3hrs / H-Series : 200°C, 5hrs)

Item Unit	Softening Point°C	Color ³⁾ Gardner#	Heat Stability ⁴⁾ Gardner#	Acid Value KOHmg/g	Melt Viscosity at 200°C, cps	Features	Production Site
Test Method	ASTM E 28	ASTM D 1544	ASTM D 1544	ASTM D 1639	ASTM D 3236		
A-1100	94 ~ 102	Max. 6	Max. 8	Max. 1	Max. 200	General Purpose	Ulsan
A-1100S	94 ~ 102	Max. 6	Max. 8	1.00 ~ 1.99	Max. 200	Acid Modified Resin	Ulsan
A-1115	108 ~ 116	Max. 6	Max. 8	Max. 1	-	High SP	Ulsan
A-2115	108 ~ 116	Max. 6	Max. 8	Max. 1	-	High SP, Low Molecular Weight	Ulsan
C-1100	94 ~ 102	Max. 6	Max. 8	Max. 1	-	High Molecular Weight	Ulsan
R-1095	93 ~ 99	Max. 6	Max. 8	2.00 ~ 3.00	-	Acid Modified Resin	Ulsan
R-1100S	94 ~ 102	Max. 6	Max. 8	2.00 ~ 3.00	Max. 250	Acid Modified Resin	Ulsan
T-1080	80 ~ 90	Max. 6	Max. 8	Max. 1	-	C9 Modified Resin	Ulsan
T-1095	84 ~ 98	Max. 6	Max. 8	Max. 1	-	C9 Modified Resin	Ulsan
T-1100	94 ~ 102	Max. 6	Max. 8	Max. 1	-	C9 Modified Resin	Ulsan
T-3100	94 ~ 102	Max. 8	Max. 10	Max. 1	-	Highly C9 Modified	Ulsan
H-2100	97 ~ 106	Max. 3	Max. 8	Max. 0.1	-	Hydrogenated, Good Heat Stability	Yeosu, Daesan
H-2200	95 ~ 105	Max. 4	Max. 8	Max. 0.1	-	Hydrogenated, Highly C9 Modified	Yeosu, Daesan
H-2300	95 ~ 105	Max. 3	Max. 8	Max. 0.1	-	Hydrogenated, C9 Modified Resin	Yeosu, Daesan

Applications

Application	Main Components	Recommended HIKOREZ® Grades
Tapes	NR, SIS, SBR	A-1100(S), A-1115, A-2115, C-1100, T-1080, T-1095, T-1100, T-3100, H-2100, H-2300
Pressure Sensitive Adhesives	NR, BR, SIS	A-1100(S), A-1115, A-2115, H-2100, H-2200, H-2300
Hot Melt Adhesives	EVA	A-1100(S), A-1115, A-2115, C-1100, T-1080, T-1095, T-1100, T-3100, H-2100, H-2300
Solvent Based Adhesives	CR, SBR	C-1100, H-2200, H-2300
Hot Melt Road Marking	Fillers	A-1100S, R-1095, R-1100S
Rubber Compounding	NR, BR, SBR	A-1100, C-1100, T-1095, T-3100
Asphalt Modification	Asphalts	A-1115, R-1100S
Wax Compounding	Wax	A-1100, C-1100, H-2100
Sealants	LDPE, APO	A-1100, C-1100, H-2100



Specifications

5) Color : 50% Toluene Solution

Item Unit	Softening Point°C	Color ⁵⁾ Gardner#	Acid Value KOH mg/g	Bromine Number Br cg/g	Features	Production Site
Test Method	ASTM E 28	ASTM D 1544	ASTM D 974	ASTM D 1159		
DP-100	95 ~ 105	Max. 10	Max. 0.1	Max. 30	Phenol Modified Resin	Ulsan
P-90	90 ~ 100	Max. 9	Max. 0.1	Max. 30	Low SP	Ulsan
P-90S	90 ~ 100	Max. 8	Max. 0.1	Max. 30	Low SP and Lighter Color	Ulsan
P-90HS	95 ~ 105	Max. 9	Max. 0.1	Max. 30	-	Ulsan
P-90I	96 ~ 104	Max. 9	Max. 0.1	Max. 30	Good Compatibility	Ulsan
P-110S	107 ~ 113	Max. 8	Max. 0.1	Max. 30	-	Ulsan
P-120	115 ~ 125	Max. 8	Max. 0.1	Max. 30	General Purpose	Ulsan
P-120S	115 ~ 125	Max. 7	Max. 0.1	Max. 30	General Purpose, Lighter Color	Ulsan
P-120P	115 ~ 125	Max. 8	Max. 0.1	Max. 30	Phenol Modified Resin	Ulsan
P-120H	115 ~ 125	Max. 7	Max. 0.1	Max. 30	Good Compatibility	Ulsan
P-120HS	126 ~ 130	Max. 7	Max. 0.1	Max. 30	High SP	Ulsan
P-140	140 ~ 150	Max. 7	Max. 0.1	Max. 30	-	Ulsan
P-150	150 ~ 160	Max. 7	Max. 0.1	Max. 30	-	Ulsan

Applications

Application	Main Components	Recommended HIKOTACK® Grades
Hot Melt Based Adhesives	EVA, Wax	P-90(S), P-90I, P-110S, P-120(S), P-120H, P-140
Solvent Based Adhesives	CR, NR	P-90(S), P-90I, P-110S, P-120(S), P-120HS, P-140, P-150
Flooring Adhesives	Acryl, SBR latex	P-90(S), P-90I, P-120(S)
Modified Epoxy Paint	Epoxy resin	P-90(S), P-90I, P-120(S), P-120H, P-140, P-150
Alkyd Paint	-	P-90(S), P-90I, P-120(S), P-120H, P-120P
Rubber Compounding	NR, SBR	P-90(S), P-90I, P-90HS
Newspaper Printing Ink	Phenolic resin	P-120, P-140
Water Repellent Agent	Paraffin wax	P-120, P-140
Asphalt Modification	Asphalts	P-90, P-120, P-120HS, P-140, P-150
Concrete Curing Agent	Wax, Solvent	P-90, P-120



PMR Grades Specifications

6) Color : 50% Toluene Solution 7) 100% Molten Resin (200°C, 5hrs)

Item Unit	Softening Point°C	Color ⁶⁾ Hazen#	Heat Stability ⁷⁾ Gardner#	Acid Value KOHmg/g	Features	Production Site
Test Method	ASTM E 28	ASTM D 1209	ASTM D 1544	ASTM D 974		
MK-85	80 ~ 90	Max. 30	Max. 0.3	Max. 0.1	Pure Monomer Resin	Yeosu
MK-100	95 ~ 105	Max. 30	Max. 0.3	Max. 0.1	Pure Monomer Resin	Yeosu
MK-115	110 ~ 120	Max. 30	Max. 0.3	Max. 0.1	Pure Monomer Resin	Yeosu
MK-140	135 ~ 145	Max. 30	Max. 0.3	Max. 0.1	Pure Monomer Resin	Yeosu
MK-2085	80 ~ 90	Max. 30	Max. 0.3	Max. 0.1	Performance Resin for Tire	Yeosu
MK-2100	95 ~ 105	Max. 30	Max. 0.3	Max. 0.1	Performance Resin for Tire	Yeosu
MK-2115	110 ~ 120	Max. 30	Max. 0.3	Max. 0.1	Performance Resin for Tire	Yeosu

LP Grades Specifications

8) 100% Molten Resin

Item Unit	Color ⁸⁾ Gardner#	Viscosity @25°C, cps	Acid Value KOH mg/g	Features	Production Site
Test Method	ASTM D 1544	ASTM D 3236	ASTM D 974		
LP-9800	Max. 15	7,000 ~ 9,000	Max. 0.5	Liquid C9 resin	Yeosu
LP-9800S	Max. 12	7,000 ~ 9,000	Max. 0.5	Liquid C9 resin, Light color	Yeosu

HRR Grades Specifications

9) 50% Toluene Solution

Item Unit	Softening Point °C	Color ⁹⁾ Gardner#	Features	Production Site
Test Method	ASTM E 28	ASTM D 1544		
HRR-100	97 ~ 107	Max. 7.7	Reactive Resin	Yeosu

DLP Grades Specifications

10) 100% Molten Resin

Item Unit	Color ¹⁰⁾ Gardner#	Viscosity@60°C, cps	Features	Production Site
Test Method	ASTM D 1544	ASTM D 3236		
DLP-1	Max. 15	2,200 ~ 3,400	Performance Resin for Tire	Yeosu
DLP-2	Max. 15	8,000 ~ 12,000	Performance Resin for Tire	Yeosu

Applications

Application	Main Components	Recommended SUKOREZ [®] Grades
Hot Melt Based Adhesives	EVA, me-PO, Wax	MK-100
Non-Woven	SIS, SBS, SEBS, me-PO	MK-85, MK-115, MK-140
Tire	NR, BR, SBR, NdBR	MK-2085, MK-2100, MK-2115, LP-9800, DLP-1, DLP-2
Sealants	LDPE, APO, SEBS	MK-100, MK-115, MK-140
Thermoplastic Elastomers	SIS, SBS, SEBS	MK-140
Wax Compounding	Wax	MK-85, MK-100, MK-115, MK-140
Paints and Coatings	Alkyd Paint	LP-9800, LP-9800S
Reactive Hot Melt Adhesives	POR	HRR-100



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