



YOUNG'S CORPORATION

242-8 YANGJAE-DONG, SEOCHO-GU, SEOUL, 137-132, KOREA

TEL: 82-2-555-1040

FAX: 82-2-2057-0399

E-mail: export@youngscorp.com

Website: www.youngscorp.com

Phenolic Resins For Ink

1. Phenolic Resins for Ink

Type	Product No.	Appearance	Color (#G)	Softening Point(°C)	Acid Value	Uses	Properties
Rosin Modified Phenolic Resin	Beckacite F-1126	Yellowish Lump	11 Max	145-160*	12-18	Offset Ink	Quick Dry, Gloss
	Beckacite F-175	Yellowish Lump	12 Max	160-170	12-18	Offset Ink	Quick Dry, Gloss
	Beckacite F-368	Yellowish Lump	15 Max	160-170	25 Max	Offset Ink	High Soluble
	Beckacite F-405	Yellowish Lump	12 Max	160-175	16 Max	Offset Ink	Sheet Fed, Gloss
	Beckacite F-180	Yellowish Lump	12 Max	150-160	12-20	Offset Ink	High Soluble,
	Beckacite F-323	Yellowish Lump	13 Max	160-170	13-30	Offset Ink	Sheet Fed, Gloss
	Beckacite F-339	Yellowish Lump	13 Max	155-165	20 Max	Offset Ink	Low Molecular Weight
	Beckacite F-351	Yellowish Lump	12 Max	160-170	20 Max	Offset Ink	Quick Dry, Golss
	Beckacite F-365	Yellowish Lump	15 Max	165-175	20 Max	Offset Ink	Quick Dry, Golss
	Beckacite F-334	Yellowish Lump	13 Max	155-165	18 Max	Offset Ink	High Molecular Weight
	Beckacite F-346	Yellowish Lump	11 Max	155-170	25 Max	Offset Ink	Sheet Fed, Gloss
Beckacite F-7305K	Yellowish Lump	12 Max	160-175	20 Max	Offset Ink	High Molecular Weigh	
Rosin Modified Maleic Resin	Beckacite F-1110	Yellowish Lump	9 Max	95-105*	25-35	Lacquer Paint	Quick Dry, Gloss
	Beckacite F-1111	Yellowish Lump	10 Max	110-120*	33-38	Lacquer Paint	Quick Dry, Gloss
	Beckacite F-1120	Yellowish Lump	11 Max	110-125*	25-35	Lacquer Paint	Quick Dry, Gloss
	Beckacite F-896	Yellowish Lump	12 Max	95-110*	185-205	Gravure Ink	Alcohol Soluble
	Beckacite F-1125	Yellowish Lump	11 Max	140-155	290-320	Gravure Ink	Alcohol Soluble
Alkyd	Beckacite F-350L	Yellowish Liquid	15 Max	-	15 Max	Offset Ink	Gloss, Set

* : Melting Point

2. TYPICAL FORMULATION FOR VARNISH

2-1. Varnish for Offset Ink

2-2. Varnish for

Rotation Ink

	Part by weight (%)
A : RESIN	45
B : Linseed Oil	25
C : High grade Alcohol	2
D : No. 5 Solvent	23
E : Al-Chelate	1
F : No. 5 Solvent	4
	Part by weight (%)
A : RESIN	50
B : Linseed Oil	20
C : High grade Alcohol	2
D : No. 0 Solvent	23
E : Al-Chelate	1
F : No. 0 Solvent	4

3. INK FORMULATION & PROPERTIES

3-1. INK FORMULATION

Varnish	Carbon Black	No. 5 Solvent	Wax	Dryer
60	20	16	3	1

3-2. INK PROPERTIES

	Gloss	Set	Infiltration	Settlement	Misting
Beckacite® F - 1126	×	◎	○	○	◎
Beckacite® F - 175	○	○	×	◎	◎
Beckacite® F - 368	◎	○	◎	×	○
Beckacite® F - 405	◎	○	×	◎	◎
Beckacite® F - 180	○	◎	◎	○	×
Beckacite® F - 323	○	◎	×	○	◎
Beckacite® F - 339	×	○	◎	○	×
Beckacite® F - 351	◎	×	○	◎	◎
Beckacite® F - 365	◎	○	×	◎	◎
Beckacite® F - 334	◎	○	◎	○	×
Beckacite® F - 346	◎	○	×	◎	◎

◎ : Excellent ○: Good × : Poor ☞ :

The data can be change as the ink formulation