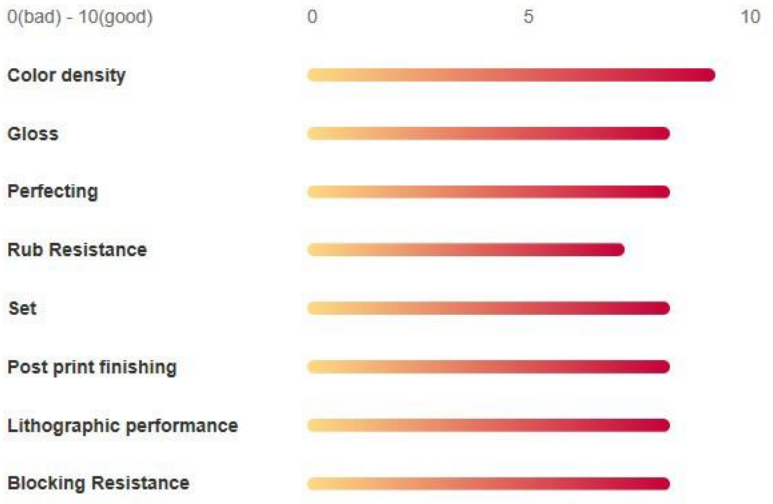
ROYAL G

1. Outline

ROYAL G Sheetfed ink is used for general purpose printing on art paper and mid-quality paper, and offers high-quality results at high print speeds. High densities and consistent color can be faithfully reproduced, and this applies to various types of printing materials and printing machines. We make every effort to develop resins and pigments in line with the demands of high-speed printing and Royal G is an ink that delivers excellent results with a wide water window and accurate color reproduction.

2. Features

- Excellent printing effect with high gloss and high density
- Press stability suitable for high-speed printing
- Fast drying and less set-off
- Excellent reproducibility on halftone dot and mileage
- Reducing aromatic components enabling environmental and worker protection
- For general and advanced art paper
- Eco-friendly vegetable oil-based ink
- Compliance with ROHS, REACH, ASTM F-963, EN 71-3



ROYAL G

3. Resistances

	Lightfastness	Alcohol resistance	Alkaline resistance	Foil Lamination Ability	UV Varnish Ability	Aqueous Coating Ability
YELLOW	5	+	+	+	+	+
MAGENTA	5	+	−	+	+	−(*)
CYAN	8	+	+	+	+	+
BLACK	8	+	+	+	+	+

* Due to potential colour shift, it is advised that test prints are made before starting a production run
* We recommend testing the drying behaviour and adhesion on the respective substrate before the production run.

4. Performance

5. Storage and Packing

Store the ink only in a specified place at ambient temperature.
The ideal temperature range is 18 -25 'C.
1kg vacuum tin / 12 cans in a box
2.5kg vacuum tin / 4 cans in a box
200kg barrels

6. Safety, health, and environmental regulations

KMI inks are formulated based on EU regulations, EU REACH and for detailed information, please refer to recent GHS MSDS.

This data sheet is for information and reference when using KMI inks. It is correct to the best of KMI's knowledge. No liability for any errors, facts or opinions is accepted. Customers must satisfy themselves as to the suitability of this product for their application. During application, performance of the product can be affected by various factors which are beyond the control of KMI, so it is highly recommended that a test print is made before committing to a production run. The information contained herein may be modified without prior notice.

TECHNICAL DATA
ROYAL G

		Yellow	MAGENTA	CYAN	BLACK
		ROYAL G (KMI)	ROYAL G (KMI)	ROYAL G (KMI)	ROYAL G (KMI)
■ TACK		16.5	17.5	18.0	18.0
■ FLOW(mm/mio)		40	38.5	40	38.5
■ Viscosity(poise)		200	255	271	245
■ Fluidity On Glass(mm/hr)		145	260	230	105
■ Density		1.92	2.13	2.63	2.62
■ Gloss		71	63	57	65
■ Setting Time(mio)		4.0	4.0	4.0	4.0
■ Drying time(hr)	Paper	4	4	4	4.5
	Plastic	35	35	35	35
■ Rub resis1ance		A	A	A	A
■ W.T.U(%)		25	25	25	25
■ Conductivity(μs/cm)		1690	1850	1900	1700
■ Grind(J.GD)		5 !	5 !	5 !	5 !

■ **Remark: Rub Resistance (coated art paper): A(Good) ~ D(Bad)**

♦ **TEST METHODS ◆**

- Tack: Ink-O-meter thwing-albert 1200rpm/32 °C/60sec
- Flow: Spread meter/diameter/25 'C/60sec
- Viscosity (PV/k): Laray viscometer
- Density: Measured by GRETAGMACBETH D-196 Densitometer
- Gloss: Gloss meter BYK Tri Gloss 60°
- Drying Time (Plastic): Drying time on the Plastic Plate
- Drying Time (Paper): Drying time on the Parchment paper(48g/m')
- Rub Resistance: PrUFbau Quartant
- Emulsification: Duke emulsification tester
- Grind: Grind-O-Meter (0-25)

Kwang Myung Printing Ink S. Korea
Exclusively Distributed by: KMi America, LLC
1395 Bangor Street, Copiague, New York 11726
631-553-8035
www.kmiamerica.com