

SPECIAL BLACK –  
GLOSS INK PIGMENT BLACK



# REGAL® 400



REGAL® 400 pigment black is a low structure pigment black designed to impart high gloss and very good color strength in printing inks and other applications.

**Product Form:** Pellet

## Application Information

### Lithographic Inks

REGAL 400 pigment black is a high gloss, high strength black for sheet fed and heat set lithographic ink applications. With its oxidized surface, REGAL 400 has very good dispersibility and imparts good flow to lithographic inks.

### Liquid Inks

REGAL 400 pigment black is especially stable in nitrocellulose and polyamide liquid inks. It disperses very well with good viscosity and dispersion stability. Its gloss and color strength are a good combination for packaging inks on non-porous substrates.

### Energy Curing Inks

REGAL 400 pigment black is well suited for energy curing liquid and paste printing inks, requiring high gloss and high color strength. The oxidized surface imparts excellent flow and gloss in paste Energy Cure Inks, while offering excellent dispersion stability.

### Plastics

REGAL 400 provides good color and value in PVC compounds. It imparts excellent dispersion and color in artificial leather applications.

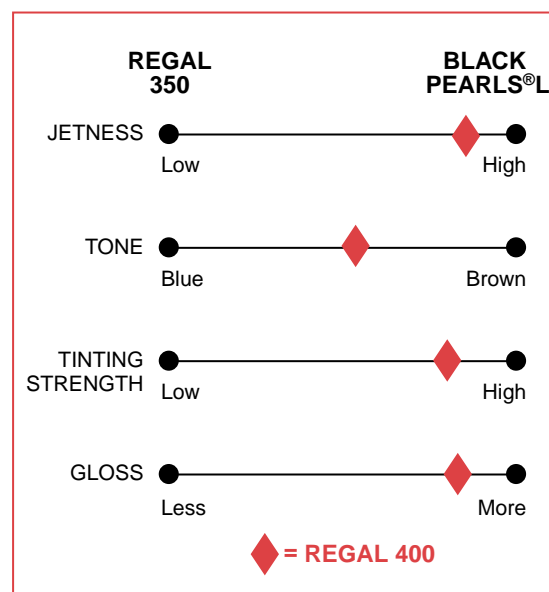
### Other Applications

REGAL 400 is an all purpose pigment in general dispersions where lower quantities of dispersants or surfactants are desired.

The dispersibility of REGAL 400 pigment black depends on the equipment used and the formulation. It is moderately hard to disperse compared to other pelletized Gloss Ink Blacks, but is easier to disperse than many of the other pigment blacks used in the higher end liquid inks. With the proper equipment and formulation, an excellent quality ink can be produced with REGAL 400 pigment black.

REGAL 400 is a pelleted pigment black with a typical bulk density of 30 lbs/ft<sup>3</sup> (481 g/L) that can be bulk handled. It is also available in an easier to disperse powdered form as REGAL® 400R.

## Performance Comparison to Other Gloss Ink Pigment Blacks



## Packaging Options

Multi Unit	Intermediate	Bulk
50 lb plastic	50 cu. ft. 1200 lbs	Not Available
20 kg plastic		

## MSDS

Material Safety Data Sheets are available from all Regional Sales Offices. The location of the nearest Sales Office can be found below.

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