# Krishna Resins & Pigment Pvt. Ltd.

**( An ISO 9001:2000 Company )**

Mfg of all kinds of Polyester Resins for Powder Coating

# POLYESTER RESIN FOR POWDER COATING

## Specification of Polyester Resins for Powder Coating

### Krissol M-G 7030 (Matt-Glossy)

| Product Code | Appearance | Colour On Gardner Scale | Acid Value (MG KOH/gm) | Glass Transition TEMP° C | Softening Point | Baking Schedule | Film Thickness | Gloss at 60° @ |
|---|---|---|---|---|---|---|---|---|
| Krissol MG-7030 | Pale Yellow Granules | MAX 2 | 30-38 | Min. 60°C | 90-100 | 180°C -12 Min. (Metal Temp) | 50-60 Microns | Min. 90-93% |

**MECHANICAL PROPERTIES**

| | |
|---|---|
| (1) Reverse Impact | : Minimum 120 Kg.cm |
| (2) Direct Impact | : Minimum 120 Kg.com |
| Bend test (Ø2 mm) | : Passes |
| Over- Baking Resistance | : Passes |

**GENERAL FORMULATION FOR CHECKING POLYESTER RESIN**

| Krissol MG-7030 | Epoxy Resin | Flow Agent | Benzoin | Barium Sulphate (Filler) | Carbon Black |
|---|---|---|---|---|---|
| 420 | 180 | 7.0-10.0 | 3.0-4.0 | 366 | 15.0-20.0 |

**General Information & Recommendations :** Krissol MG-7030 is a carboxylated polyester resin designed for hybrid system. It is used with epoxy resin at the ratio 70:30. This gives a very good flow with an excellent over- baking resistance & mechanical properties. We recommend it for Matt, Texture, Structure, General purpose gloss Powder Coatings.

**Storage :** Keep away from heat source & direct sunlight. Avoid temp.>30°C
**Packing :** 25 Kg net in HDPE bag with LDPE bag

### Krissol MRG 7030 (Mirror Glossy)

| Product Code | Appearance | Colour On Gardner Scale | Acid Value (MG KOH/gm) | Glass Transition TEMP° C | Softening Point | Baking Schedule | Film Thickness | Gloss at 60° @ |
|---|---|---|---|---|---|---|---|---|
| Krissol MRG-7030 | Pale Yellow Granules | MAX 1 | 30-38 | Min. 62°C | 90-100 | 180°C -12 Min. (Metal Temp) | 50-60 Microns | 96-100 |

**MECHANICAL PROPERTIES**

| | |
|---|---|
| (1) Reverse Impact | : Minimum 120 Kg.cm |
| (2) Direct Impact | : Minimum 120 Kg.com |
| Bend test (Ø2 mm) | : Passes |
| Over- Baking Resistance | : Passes |

**GENERAL FORMULATION FOR CHECKING POLYESTER RESIN**

| Krissol MRG-7030 | Epoxy Resin | Flow Agent | Benzoin | Barium Sulphate (Filler) | Carbon Black |
|---|---|---|---|---|---|
| 420 | 180 | 7.0-10.0 | 3.0-4.0 | 366 | 15.0-20.0 |

**General Information & Recommendations :** Krissol MRG-7030 is a carboxylated polyester resin designed for hybrid system. It is used with epoxy resin at the ratio 70:30. This gives a very good flow with an excellent over- baking resistance & mechanical properties. We recommend Mrg-7030 for Mirror Type Gloss and very smooth finish Powder Coatings

**Storage :** Keep away from heat source & direct sunlight. Avoid temp.>30°C
**Packing :** 25 Kg net in HDPE bag with LDPE bag

# POLYESTER RESIN FOR POWDER COATING

## Specification of Polyester Resins for Powder Coating

### Krissol SP 5050

| Product Code | Appearance | Colour On Gardner Scale | Acid Value (MG KOH/gm) | Glass Transition TEMP° C | Softening Point | Baking Schedule | Film Thickness | Gloss at 60° @ |
|---|---|---|---|---|---|---|---|---|
| Krissol SP-5050 | Pale Yellow Granules | MAX 4 | 70-80 | Min. 60°C | 85-105 | 180°C -10 Min. (Metal Temp) | 50-60 Microns | Min. 92-95% |

**MECHANICAL PROPERTIES**

| | |
|---|---|
| (1) Reverse Impact | : Minimum 120 Kg.cm |
| (2) Direct Impact | : Minimum 120 Kg.com |
| Bend test (Ø2 mm) | : Passes |
| Over- Baking Resistance | : Passes |

**GENERAL FORMULATION FOR CHECKING POLYESTER RESIN**

| Krissol SP-5050 | Epoxy Resin | Flow Agent | Benzoin | Barium Sulphate (Filler) | Carbon Black |
|---|---|---|---|---|---|
| 300 | 300 | 7.0-10.0 | 3.0-4.0 | 366 | 15.0-20.0 |

**General Information & Recommendations :** Krissol SP-5050 is a carboxylated polyester resin designed for hybrid system. It is used with epoxy resin at the ratio 50:50. This gives a very good flow with an excellent over- baking resistance & mechanical properties. We recommend Krissol SP-5050 for the high gloss Powder Coating. Where customer want to use epoxy resin in 50:50 ratio.

**Storage :** Keep away from heat source & direct sunlight. Avoid temp.>30°C

**Packing :** 25 Kg net in HDPE bag with LDPE bag

### Krissol PP- 937 (Pure Polyester)

| Product Code | Appearance | Colour On Gardner Scale | Acid Value (MG KOH/gm) | Glass Transition TEMP° C | Softening Point | Baking Schedule | Film Thickness | Gloss at 60° @ |
|---|---|---|---|---|---|---|---|---|
| Krissol PP-937 | Pale Yellow Granules | MAX 3 | 30-38 | Min. 60°C | 95-105 | 200°C -10 Min. (Metal Temp) | 50-60 Microns | Min. 90% |

**MECHANICAL PROPERTIES**

| | |
|---|---|
| (1) Reverse Impact | : Minimum 120 Kg.cm |
| (2) Direct Impact | : Minimum 120 Kg.com |
| Bend test (Ø2 mm) | : Passes |
| Over- Baking Resistance | : Passes |

**GENERAL FORMULATION FOR CHECKING POLYESTER RESIN**

| Krissol PP-937 | TGIC | Flow Agent | Benzoin | Barium Sulphate (Filler) | Carbon Black |
|---|---|---|---|---|---|
| 616 | 47 | 7.0-10.0 | 3.0-4.0 | 310 | 15.0-20.0 |

**General Information & Recommendations :** Krissol PP-937 is a pure polyester resin designed for 93:7 TGIC system. It gives a very good flow with high flexibility, good outdoor durability and over-baking resistance. Krissol PP-937 is a Pure Polyester resin is recommended for good quality outdoor finishes Powder Coatings.

**Storage :** Keep away from heat source & direct sunlight. Avoid temp.>30°C

**Packing :** 25 Kg net in HDPE bag with LDPE bag

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# Krishna Resins & Pigment Pvt. Ltd.

*Behind Every Beautiful Paint*
*There is a well kept*
**Secret...**