

POWDER COATINGS

RAPID XCEL 1630

Rapid XCEL 1630 is a polyethylene based free-flowing powder. The key characteristics of this powder are low melting temperature, and excellent high-gloss coatings. Low melting temperatures helps to increase line speeds and lower energy costs. These powders are generally preferred where both aesthetic as well as functional properties are desired. In addition to this, the resulting coating provides excellent edge coverage and corrosion protection.

POLYMERS

All powders are manufactured from prime virgin grades of polymers manufactured by the major polymer producers. All the grades mentioned have been manufactured from polymers that meet the requirements to Indian Standard IS:10146-1982 on "Polyethylene for its safe use in contact with foodstuffs, pharmaceuticals, and drinking water"

TECHNICAL SPECIFICATIONS

(Data shown are average values and should not be used for specification results)

| PROPERTY | TEST METHOD | VALUE |
|---------------------------|--------------------|--|
| Material | Prime Virgin Grade | Polyethylene |
| Specific Gravity | ASTM D1505 | 0.918 gms./cc |
| Vicat Softening Point | ASTM D1525 | 84 °C |
| Melt Index 190 °C/I2.16 | ASTM D1238 | ~30 gms./10 min |
| Tensile Strength at Yield | ASTM D638 | 90 kg/cm ² |
| Elongation at Yield | ASTM D638 | 700% |
| Flexural Modulus | ASTM D790 | 1,400 kg/cm ² |
| Powder Particle Size | | Finer than 300µm |
| Coverage | 100% efficiency | 3.1 m ² /kg.@350mm |
| Taber Abrasion | ASTM D4060 | 30 mg. Weight loss |
| QUV | ASTM D2244 | 0.5 □E |
| Colors | | 10 colours available ex-stock (See Shade Card) |

TYPICAL APPLICATIONS

These powders are generally used for coating wire fabricated articles like scooter/ cycle baskets, car/ scooter back light grills, refrigerator shelves, kitchen rack/ baskets, hangers, display racks, formed wire goods, wire baskets, shower caddies, dish drainer basket, planter baskets. Water and chemical tanks, Pallets and material handling, silos, bins, boats, septic tanks, flower post, feed carts, calf hutches, outdoor toys, fuel tanks, vending machines, boating hulls, cool boxes, utility carts, kayaks...

HOT MELT COMPOUNDED COLOURS

All the colors are hot melt compounded in high performance extruders. This ensures a uniform dispersion of pigments and additives in the resin. This enhances the UV stability of the polymer. It also prevents color variation from product to product, pigment migration and pigment wipe off.

SPECIAL GRADES

- **Rapid XCEL 1630** can be incorporated with additional properties to suit individual requirements.
- **Anti-Static:** Special formulations provide protection against dust pick-up and static generation. Find application in the food industry where hygiene is extremely essential.
- **UV Stabilised:** Special formulations are available for protection against harsh sunlight/ UV Light Find application in the outdoor articles in countries like India, Saudi Arabia, etc.
- **Custom Colours:** Powders can be manufactured in the other grades of L.D.P.E./ L.L.D.P.E./ H.D.P.E. and in different colors & fineness to suit individual requirements.

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