



Highlights

PPG's Envirocryn™ and Envirocron™ powder coatings are aesthetically pleasing, produce a durable uniform finish and can be custom formulated with finishes from high gloss to low gloss, and in a variety of textures.

PPG's "World Class" Polyester Urethane Powder Coatings provide a combination of good physical and chemical resistance properties. This extensive line of Polyester Urethane Powders is manufactured to meet the increasing requirement demands of the automotive and industrial markets. These sophisticated Polyester Urethanes are the solution to your smoothness, low-bake, durability and physical property requirements. An unsurpassed application development program enables consistently friendly use on a variety of substrates.

Product Features

- Exterior durability
- Good chemical resistance
- Thin film capabilities
- Specially formulated to apply over P590/534 electrocoat
- This product meets the requirements of material specification: Chrysler MS-PE16-2

Technical Properties

| Property | Test Method | Value |
|-------------------|-------------|--|
| Color | | Black Chrysler AW3-DX9 |
| Appearance | | Smooth |
| Gloss | ASTM D-523 | 7.0 - 15 @ 60° |
| Adhesion | ASTM D-3359 | 100% (5B Pass) |
| Hardness | ASTM D-3363 | H - 2H Pencil (Eagle) |
| Impact Resistance | ASTM D-2794 | 80 In.-lbs. Direct |
| Conical Mandrel | ASTM D-522 | 1/8" Mandrel - No Cracking |
| Salt Spray | ASTM B-117 | 1000 Hrs. Pass <1/8" Scribe Creep - No Blisters |
| Humidity | ASTM D-1735 | 1000 Hrs. Pass <1/16" Scribe Creep - No Blisters |

Film Properties were determined using 1.5 - 2.0 mils powder film over iron phosphated, non-chrome rinse pretreated, 22 gauge, unpolished cold rolled steel test panels.

Application Data

| | |
|---|--|
| Application Type: | Electrostatic Spray |
| Recommended Bake: | 20 Minutes at 400 °F Metal Temperature See Cure Curve PCU-002 |
| Specific Gravity: | 1.42 ± .05 |
| Theoretical Coverage: | 135 Sq. Ft. per pound at 1.0 mil |
| Shelf Life from Date of Manufacture (@40-60% RH): | 80 °F Maximum - 24 Months |

PPG recommends that all material be used in FIFO order (first in - first out). Materials that exceed the recommended shelf life should be tested prior to use.

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