# PCSA70113

ENVIROCRON® Powder Coat

## Highlights

PPG's Enviracryl™ 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 Powder Coatings provide a combination of good physical and chemical resistance properties. This extensive line of Polyester Powders is manufactured to meet the increasing requirement demands of the automotive and industrial markets. These sophisticated Polyesters 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

Available in a wide range of colors and glosses

Exterior durability

Good chemical resistance

Electrostatic Dissipative (ESD) Coatings are ideal for electronics assembly, clean rooms, electronics service and repair or wherever control of static electricity is required

## Technical Properties

| Property | Test Method | Value |
|---|---|---|
| Color | _____ | NI DARK GRAY 2 |
| Appearance | | Texture |
| Gloss | ASTM D-523 | 3.0 - 7.0 @ 60° |
| Adhesion | ASTM D-3359 | 100% (5B Pass) |
| Hardness | ASTM D-3363 | 2H Pencil (Eagle) |
| Impact Resistance | ASTM D-2794 | 100 In.-lbs. Direct |
| Electrical Resistance (Surface) | ANSI/ESD 4.1-1997 | 10E5 – 10E9 Ohms |
| Conical Mandrel | ASTM D-522 | 1/8" Mandrel<br>- No Cracking |
| Salt Spray | ASTM B-117 | 1000 Hrs. Pass<br><1/8" Scribe Creep<br>- No Blisters |
| Humidity | ASTM D-1735 | 1000 Hrs. Pass<br><1/16" Scribe Creep<br>- No Blisters |

*Film Properties were determined using 2.5 - 3.5 mils powder film over iron phosphated, chrome rinse pretreated, 22 gauge, unpolished cold rolled steel test panels.*

## Application Data

| | |
|---|---|
| Application Type: | Electrostatic Spray |
| Recommended Bake: | 10 Minutes at 400 °F Metal Temperature<br>See Cure Curve PCS-011 |
| Specific Gravity: | 1.55 ± .05 |
| Theoretical Coverage: | 124 Sq. Ft. per pound at 1.0 mil |
| Shelf Life from Date of Manufacture (@40-60% RH): | 80 °F Maximum - 12 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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