Technical Bulletin

PRSF 10306
Mirror Black

Description:

PRSF 10306, Mirror Black is a thermosetting Polyester-TGIC powder coating and is designed for interior or exterior applications.

Typical Powder Properties	Specific Gravity (ASTM D5965-96, C)	1.45+/-0.05
	Theoretical Coverage	133 sq./lb./mil
Typical Physical Properties:	Film Thickness	2.0-3.0 mil
	Gloss 60'angle (ASTM D-523-89)	90 +/-5
	Hardness (ASTM D-3363-92A)	2H
	Flexibility (ASTM D-1737-89)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5B (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	160/160 in-lbs.
	Salt Spray (ASTM B117, 1000 hrs, Bonderite 1000 panel)	Rating 7 (creepage)
	Salt Spray (ASTM B117, 2000 hrs, Alodine panel)	Rating 7 (creepage)

Application Data:

PRSF 10306, Mirror Black is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.

Cure Schedule:

PRSF 10306, Mirror Black can be cured in a direct or indirect gas convection oven, an electric oven, or an Infrared. A combination of any of these ovens is also suitable.

Standard Cure: 10 minutes @ 400°F Peak Metal Temperature

Storage:

PRSF 10306, Mirror Black should be stored at temperatures below 80°F, in a dry area away from any heat source.

Notes:

All tests were performed on B-1000 iron phosphated panels with a nominal film thickness of 2.0-3.0 mils. Please refer to the SDS for safety information.

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