Technical Bulletin

PLSS 10029
Semi Gloss Black

Description:

PLSS 10029, Semi Gloss Black is a thermosetting Polyester-TGIC powder coating and designed for interior and exterior durability.

Typical Powder Properties	Specific Gravity (ASTM D5965-96, C)	1.57±0.03
	Theoretical Coverage	122 sq.ft/lb./mil
	Mass loss during the cure (ASTM D3451-92)	<1.0%
Typical Physical Properties:	Film Thickness	1.8-3.0 mil
	Gloss 60'angle (ASTM D-523-89)	50-60
	Hardness (ASTM D-3363-92A)	H-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., B-1000 panel)	Rating 7 (creepage)
	Salt Spray (ASTM B117, 1500 hrs., Alodine panel)	Rating 7 (creepage)
	*no loss of adhesion	

Application Data:

PLSS 10029, Semi Gloss Black is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.

Cure Schedule:

PLSS 10029, Semi Gloss 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 @ 340°F Peak Metal Temperature

Storage:

PLSS 10029, Semi Gloss Black should be stored at temperatures below 80°F, in a dry area away from any heat source.

Notes:

All tests were performed on Alodine panels with a nominal film thickness of 2.0-3.0 mils. Please refer to the MSDS for safety information.

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