



Technical Bulletin

PRSF 84619 ESD Light Gray*

Description:	PRSF 79671, ESD Light Gray is a thermosetting Polyester-TGIC powder coating and designed for interior application where electrostatic discharge properties are required. Increased film thickness will reduce the conductivity of the coatings. Pre-treatment will reduce conductivity.	
Typical Powder Properties	Specific Gravity (ASTM D5965-96, C)	1.58±0.05
	Theoretical Coverage	122 sq./lb./mil
	Mass loss during the cure (ASTM D3451-92)	<1.0%
Typical Physical Properties:	Film Thickness	2.0-3.0 mil
	Gloss 60°angle (ASTM D-523-89)	85-95
	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)	120/120 in-lbs
	Salt Spray (ASTM B117, 1000 hrs, Bonderite 1000 panel)	Rating 7 (creepage)
	Surface Resistivity (in ohms)	10 ⁵ to 10 ⁸
Application Data:	PRSF 79671, ESD Light Gray is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.	
Cure Schedule:	PRSF 79671, ESD Light Gray 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:	PRSF 79671, ESD Light Gray should be stored at temperatures below 80°F, in a dry area away from any heat source.	
Notes:	All tests were performed on CRS and B-1000 panels with a nominal film thickness of 2.0-2.5 mils. Please refer to the SDS for safety information.	

*Color close to RAL 7035, Light Gray

Any recommendations contained herein or any information given by any IFS COATINGS representative is based on tests and information believed to be accurate. However, since we have no control over the conditions under which our products are transported, stored, handled, or used by purchasers, all recommendations and sales are made on condition that IFS COATINGS will not be held liable for any damages resulting from their use. No representative of ours has any authority to waive or change this provision.