



Technical Data Sheet

Ansi 61 Grey PLSS 70037

Description:	Thermosetting polyester TGIC powder coating. Polyester TGIC's are designed for interior or exterior applications.	
Typical Applications:	General metals, architectural, automotive, lawn & garden furniture, stadium seating, light fixtures, marine, fencing, etc. U.L. Approved DTOV2	
Typical Physical Properties:	Film Thickness	1.3+mil
	Gloss 60°angle (ASTM D-523-89)	55-65
	Hardness (ASTM D-3363-92A)	H – 2H
	Flexibility (ASTM D-1737-89)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5b (100%)
	Taber Abrasion (ASTM D-4060-95)	1000 cycles < 100 mg loss
	Impact Direct/Indirect (ASTM D-2794-93)	160/160 in-lbs
	QUV A (ASTM G-53-96)	1000 hrs
	Chemical Resistance	Good
	Salt Spray (ASTM B117)	1000 hrs < 3 mm creepage
	Humidity (ASTM 2247-99)	1000 hrs
	Specific Gravity (calculated)	1.50±0.03
Application Data:	Polyester TGIC's are to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kv.	
Cure Schedule:	Polyester TGIC's 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 @ 375°F Peak Metal Temperature	
Storage:	Product should be stored at temperatures below 80 ⁰ f, in a dry area away from any heat source.	
Notes:	All tests were performed on Bonderite 1000, iron phosphated panels with a nominal film thickness of 2 mils. Please refer to the MSDS for safety information.	

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