



## Technical Data Sheet

### Semi-Gloss Black PLSS 10029

<b>Description:</b>	Thermosetting polyester TGIC powder coating. Polyester TGIC's are designed for interior or exterior applications.	
<b>Typical Applications:</b>	General metals, architectural, automotive, lawn & garden furniture, stadium seating, light fixtures, marine, fencing, etc.	
<b>Typical Physical Properties:</b>	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
	Exterior Durability	Very Good
	Chemical Resistance	Good
	Salt Spray (ASTM B117)	1000 Hrs < 1/8'
	Specific Gravity (calculated)	1.64±0.03
<b>Application Data:</b>	Polyester TGIC's are to be applied with a corona electrostatic powder spray gun at between 60kv - 100 kv.	
<b>Cure Schedule:</b>	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 @ 340°F Peak Metal Temperature	
<b>Storage:</b>	Product should be stored at temperatures below 80°F in a dry area away from any heat source.	
<b>Notes:</b>	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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