



## Technical Data Sheet

### PLSF 90529 Ral 9007 Gray Aluminum

<b>Description:</b>	Thermosetting powder coating based on a Polyester TGIC. This product contains aluminum. If the product is to be cleaned, handled consistently or is in an abrasive environment it is recommended that it should be top coated with a clear coat.	
<b>Typical Applications:</b>	Decorative finishes	
<b>Typical Physical Properties:</b>	Film Thickness (ASTM D)	2.0 – 3.0+ mil
	Gloss 60°angle (ASTM D-523-89)	90+
	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)	up to 160 in-lbs
	Exterior Durability	Poor
	Chemical Resistance	Poor
	Salt Spray (ASTM B117)	1000Hrs < 1/8"
	Specific Gravity	1.3+/-0.05
<b>Application Data:</b>	Polyester TGIC's are to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kv. Hybrids can also be formulated for tribo or fluid bed application upon request.	
<b>Cure Schedules:</b>	Polyester TGIC's can be cured in a direct or indirect gas convection oven, an electric oven, or an Infra red. A combination of any of these ovens is also suitable. Standard Cure: 10 Minutes @ 375°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. Lower gloss levels may require higher cure temperatures or longer dwell times. Please refer to the MSDS for safety information.	

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