



## POLYURETHANE SAMPLE DATE SHEET - URSF 80020

**Description:** Thermosetting polyurethane powder coating. This product has been modified for increased chemical resistance and hardness.

<b>Typical Properties:</b>	Film Thickness	1.5 mil
	Gloss 60'angle (ASTM D-523-89)	85+
	Hardness (ASTM D-3363-92A)	3H
	Flexibility (ASTM D-1737-89)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5b (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	100 in-lbs
	Exterior Durability	Good
	Chemical Resistance	Excellent
	Salt Spray (ASTM B117)	1000Hrs < 1/8"
	Specific Gravity (calculated)	1.5

**Application Data:** Polyurethane's are to be applied with a corona electrostatic powder spray gun at between 60- 100kv.

**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 @ 400<sup>o</sup>f Peak Metal Temperature

**Storage:** Product should be stored at temperatures below 80<sup>o</sup>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. Lower gloss levels may require higher cure temperatures or longer dwell times. Please refer to the MSDS for safety information.

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