

TECHNICAL DATA SHEET

Polyester Urethane yields highly decorative powder coatings suitable for application to product exposed to direct sunlight. This type of coating is not suitable for thick film applications above four mils. Polyester Urethane powder coatings produce exceptionally smooth finishes at lower film thickness. This type of coating is applied to patio furniture, automotive trim, truck bodies, architectural extrusions, fire extinguishers, wire cloths, lawn and garden equipment, fencing and related items.

PRODUCT CODE:

PRODUCT TYPE: Polyester Urethane

PRODUCT NAME:

TYPICAL PROPERTIES	TEST METHODS	RESULTS
Specific Gravity	PCI # 4	1.2-1.8
Coverage	Theoretical	129 Sqft/lb @ 1 mil
Gloss @ 60 Degree	ASTM D523	0-90
Over Bake Resistance	ASTM D2454	Good
Pencil Hardness	ASTM D3363	H - 2H
Direct Impact	ASTM D2794	160 in lbs
Reverse Impact	ASTM D2794	160 in lbs
Cross Hatch, Adhesion	ASTM D3359B	Pass
Mandrel Bend, Flexibility	ASTM D522	1/4" no crack
Solvent Resistance	PCI # 8	50 + D/R
Abrasion Resistance	ASTM D1044	Good
Salt Spray	ASTM B117	1000 Hrs
Humidity	ASTM D2247	1000 Hrs

APPLICATION	Cure Schedule	Rec. Film Thickness
Electrostatic Spray: Cold	10' @ 400 Degree F	1.5 to 2.5 mil
Substrate: C.R.S.		
Pretreatment: Bonderite 1000		

Note: All tests performed on Bonderite 1000 (Iron Phosphate) treated panels.

Shelf Life: 1 Year from the date of purchase, when stored under 75 degree F

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