

P SERIES

POLYESTERS POWDER COATINGS

FILM CHARACTERISTICS

These results are based on tests conducted on steel panels (thickness 0.53mm) pretreated with iron phosphate, coated with a thickness of 1.8 – 2.2 mils, and baked at 400°F for 8 minutes.

| <i>PROPERTY</i> | <i>TEST METHOD</i> | <i>RESULT</i> |
|-----------------------------------|--|--|
| Adhesion | Cross Hatch ASTM D3359 | Excellent |
| Hardness | Pencil: Eagle Turquoise ASTM D3363 | H-2H |
| Flexibility | 180° conical mandrel ASTM D522 | Excellent |
| Impact Resistance | ASTM D2794 | From 40 to 160 in/lb direct and reverse depending on formulation |
| Humidity Resistance | ASTM D2247, 1000 hrs | Excellent |
| Salt Spray Resistance | ASTM B117, 1000 hrs | Less than 1/16" creepage at scribe |
| Abrasion | Taber Abraser CS-10, 1000 g load, 1000 cycles ASTM D4060 | 65-80 mg |
| Water Immersion Resistance | ASTM D870, 500 hrs | Excellent |
| Overbake Resistance | 200% overbake | No visible change |
| Outdoor Durability | Florida: 45° South | 12 months: No change 18 months: 85% gloss retention |
| U.V. Resistance | QUV 340 Lamp 800 hrs – 1000 hrs | Less than 1 Macadam unit |

N.B. This table expresses typical properties of P Series Powder Coating. Its purpose is not intended to give exact specifications for any particular product. Individual products may give different results. For exact specifications, consult the Technical Information Sheet for the individual product in question.



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