



EPOXY POLYESTER MATT

Series Identification Code 76

Product Description

Epoxy polyester matt finishes are used where high gloss as an attribute is not critical. These are mainly used on articles that do not require constant exposure to sunlight. Being a hybrid, it demonstrates corrosion resistance with moderate outdoor weathering.

Popular Applications

*Wrought Iron Furniture
Aluminum Die Cast Components
Brassware
Control Panels
Grease Cans
Gas Regulators
Electric Meters*

General Specifications

*Specific Gravity: 1.2 to 1.8 depending on product
Particle Size Distribution: < 125 microns 100% passing
Curing Schedule: 180°C (Object Temperature) / 15 minutes
Shelf Life: Maximum 6 months from the date of manufacture
in a sealed carton under recommended conditions
of storage < 25°C and RH < 60%*

General Film Properties

Property	Test Method	Value
<i>Recommended Film Thickness</i>	<i>ASTM D-1186</i>	<i>50–60 microns</i>
<i>Gloss Range @ 60° Gloss head</i>	<i>Marpol Standard</i>	<i>10%–45%</i>
<i>Impact Resistance</i>	<i>ASTM D-2794</i>	<i>100 kgs minimum</i>
<i>Erichsen Cupping</i>	<i>ASTM E-643</i>	<i>6 mm minimum</i>
<i>Flexibility Bend</i>	<i>ASTM D-552</i>	<i>6 mm minimum</i>
<i>Scratch Hardness</i>	<i>BS 3900 Part E6</i>	<i>2 kgs minimum</i>
<i>Salt Spray Resistance</i>	<i>ASTM B-117</i>	<i>1000 hours minimum</i>
<i>Humidity Resistance</i>	<i>ASTM B-2247</i>	<i>1000 hours minimum</i>
<i>QUV Resistance</i>	<i>ASTM G-53</i>	<i>Not applicable</i>
<i>Pencil Hardness</i>	<i>ASTM D-3363</i>	<i>H-3H</i>