



EPOXY POLYESTER NOVELTIES

Series Identification Code 80

Product Description

These powder coatings are mainly used for decorative purposes. They produce different surface finishes like hammertone, antique, bronze on metallic substrates and also can be used as a replacement for dyed anodizing used for coating aluminium. These are interior grade powders.

Popular Applications

Furniture

Ironware

Aluminum Sections

Presentation Articles

Garden Tools

Novelties are also available in Pure Polyester (95 Series) under the Q SHIELD brand name and are used as a substitute for anodizing and dyeing of aluminum sections due to its excellent weathering properties and resistance to UV light.

General Specifications

Specific Gravity:

1.2 to 1.8 depending on product

Particle Size Distribution:

< 150 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

General Film Properties

Properties	Test Method	Value
Recommended Film Thickness	ASTM D-1186	70–80 microns (other than Starlits) 50–60 microns for Starlit Range
Gloss Range @ 60° Gloss head	Marpol Standard	80% minimum for Starlit range Visually observed for others
Impact Resistance	ASTM D-2794	100 kgs minimum
Erichsen Cupping	ASTM E-643	6 mm minimum
Flexibility Bend	ASTM D-552	6 mm minimum
Scratch Hardness	BS 3900 Part E6	2 kgs minimum
Salt spray Resistance	ASTM B-117	1000 hours minimum
Humidity Resistance	ASTM B-2247	1000 hours minimum
QUV Resistance	ASTM G-53	300 hours minimum only for Q SHIELD range (PP series) Others - Not applicable
Pencil Hardness	ASTM D-3363	Not applicable