LOW CURE POWDER – EPOXY POLYESTER

Series Identification Code 10

Product Description

Low Cure Powder Coatings are specially formulated and manufactured to provide substrate protection and durability for a wide range of applications with the advantage of enhanced process-ability over standard cure powders.

Popular Applications

Appliances
AC compressors
Electric motors
Automotive radiators
Heavy mass castings such as sewing machine stands, auto springs

General Specifications

Specific Gravity:	*1.6 ± 0.3 depending on product*
Particle Size Distribution:	*< 125 microns 100% passing*
Curing Schedule:	*150°C (object temperature) for 10 minutes*
Shelf Life:	*6 months minimum when stored at temperature < 25°C and RH < 60%*

General Film Properties

Property	Test Method	Value
Recommended Film Thickness	*ASTM D-1186*	*50–60 microns minimum*
Gloss Range @ 60° Gloss Head	*Marpol Standard*	*55–95%*
Impact Resistance	*ASTM D-2794*	*80 kg-cm**
Erichsen Cupping	*ASTM E-643*	*6 mm, min*
Flexibility Bend	*ASTM D-552*	*6mm, min*
Scratch Hardness	*BS 3900 Part E6*	*2 kgs min*
Salt spray Resistance	*ASTM B-117*	*500–1000 hrs depending on finish*
Humidity Resistance	*ASTM B-2247*	*500–1000 hrs depending on finish*
QUV Resistance	*ASTM G-53*	*Not applicable*
Pencil Hardness	*ASTM D-3363*	*H–2H*

** Results will vary depending on formulation*