



LOW CURE POWDER – PURE POLYESTER

Series Identification Code 20

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. These powders are recommended for use on heavy mass metallic substrates exposed to outdoor environment.

Popular Applications

AC compressors
Electric motors
Automotive radiators
Heavy mass castings such as industrial pumps

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	300 hrs
Pencil Hardness	ASTM D-3363	H–2H

* Results will vary depending on formulation