KHUA®
ZHEJIANG GUANGHUA TECHNOLOGY

Technical Data Sheet

GH-2224

Version: Feb 01,2022

POWDER COATING RESINS	TGIC
PE : HARDENER = 93 : 7	

Description

GH-2224 is a saturated carboxylated polyester resin designed for 93/7 TGIC powders to be cured at 200°C. Coatings based on GH-2224 combine a good flow together with good weathering resistance, and with good gas-oven resistance property.

Item	Limits
Appearance	Pale granules
Acid value (mg KOH/g)	29 - 35
Viscosity @ 200 °C, (mPa.s)	2800 - 4800
Color(b*)	Max 10

Specification

Item	Typical value
Glass transition temperature (°C)	62

Other

Storage conditions

The resin in its original unopened bags is stable for more than 1 year, stored in a dry place at temperature below 30°C. Avoid direct sunlight.

Delivery form

Granules. White opaque polyethylene bags of 25kg. One ton per pallet .

Component	Weight (g)
GH-2224	558
TGIC	42
TiO_2	386
Flow agent	10
Benzoin	4

Starting Formulation

Application/Extrusion Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
1st Zone Temperature	100 °C
2nd Zone Temperature	120 °C
Application	
Application	70 micrometer film on 0.5 mm chromated Al panel
Spray Gun	Output voltage: 70 kV
Curing	10 min @ 200° C metal temperature

Test Items	Result
Film thickness (microns)	60-80
Gloss @ 60° (%)	93
Cupping test (mm)	8
Direct impact (kg.cm)	50
Reverse impact (kg.cm)	50
Adhesion (grade)	0

Coating Properties

System Properties

- Very good flow
- Outstanding mechanical properties
- Gas-oven resistance

ZHEJIANG GUANGHUA TECHNOLOGY CO., LTD www.khua.com	Customer Service	Technical Service
	Tel. 86-573-87771555 Fax 86-573-87771222	Tel. 86-573-87771188 Fax 86-573-87771222

Although the facts and suggestions in this publication are based on our own research and are believed reliable, we cannot assume any responsibility for performance or results obtained through the use of our products herein described, nor do we accept any liability for loss or damages directly or indirectly caused by our products. The user is held to check the quality, safety and all other properties of our product prior to use. Nothing herein is to be taken as permission, inducement or recommendation to practise any patented invention without a license.