KHUA®
ZHEJIANG GUANGHUA TECHNOLOGY

Technical Data Sheet

GH-2239

Version: Feb 01,2022

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POWDER COATING RESINS	TGIC
PE : HARDENER = 93 : 7	

Description

GH-2239 is a saturated carboxylated polyester resin designed for 93/7 TGIC powders to be cured at 200°C. Coatings based on GH-2239 combine a excellent flow, very good boiling water resistant property and good outdoor durability.

Item	Limits
Appearance	Pale granules
Acid value (mg KOH/g)	35 - 39
Viscosity @ 200 °C, (mPa.s)	3300 - 4300
Color(b*)	Max 10

Specification

Item	Typical value
Glass transition temperature (°C)	65

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-2239	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	115 °C
Application	
Application	70 micrometer film on 0.5 mm chromated Al panel

Test Items	Result
Film thickness (microns)	60-80
Gloss @ 60° (%)	95
Cupping test (mm)	9
Direct impact (kg.cm)	50
Reverse impact (kg.cm)	50
Adhesion (grade)	0
Spray Gun	Output voltage: 70 kV
Curing	10 min @ 200° C metal temperature

Coating Properties

System Properties

- ❖ Good weathering resistance

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- ❖ Excellent flow
- ❖ Very good boiling water resistance
- ❖ High film building

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