KHUA®
ZHEJIANG GUANGHUA TECHNOLOGY

Technical Data Sheet

GH-7709

Version:September 1,2020

MASTERBATCH	ADDITIVES
NO YELLOWING	

Description

GH-7709 is a catalyst master batch designed for use in hybrid, TGIC or Araldite® PT-910 systems. GH-7709 contains 5% active substance. GH-7709 is easily handled and greatly improves dispersion of the catalyst in powder coating recipe.

Specification

Item	Limits
Acid value (mg KOH/g)	30 - 35
Viscosity @ 200 °C, (mPa.s)	2600 - 4000
Color,b value	Max 15

Other

Item	Typical value
Glass transition temperature (°C)	59

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 .

Starting Formulation

Component	Weight (g)
GH-1164	334
EPOXY	238
TiO_2	396
Flow agent	10
Benzoin	4
GH-7709	18

Application/Extrusion Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
1st Zone Temperature	95 °C
2nd Zone Temperature	105 °C
Application	
Application	70 micrometer film on 0.5 mm steel panel
Spray Gun	Output voltage: 70 kV
Curing	12 min @ 180° C metal temperature

Coating Properties

Test Items	Result
Film thickness (microns)	60-80
Gloss @ 60° (%)	96
Cupping test (mm)	10
Direct impact (kg.cm)	160
Reverse impact (kg.cm)	160
Adhesion (grade)	0

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