

# EP-7109

Version: Aug 30, 2017

<b>MASTERBATCH</b>	<b>ADDITIVES</b>
<b>NO YELLOWING</b>	

## Description

EP-7109 is a catalyst master batch designed for use in hybrid, TGIC or Araldite® PT-910 systems. EP-7109 contains 5% active substance. EP-7109 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)
EP-1604	334
EPOXY	238
TiO <sub>2</sub>	396
Flow agent	10
Benzoin	4
<b>EP-7109</b>	18

## Application/Extrusion Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
1 <sup>st</sup> Zone Temperature	95 °C
2 <sup>nd</sup> 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

<b>ZHEJIANG GUANGHUA TECHNOLOGY CO., LTD</b>  <a href="http://www.khua.com">www.khua.com</a>	<b>Customer Service</b>	<b>Technical Service</b>
	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.