KHUA®
ZHEJIANG GUANGHUA TECHNOLOGY

Technical Data Sheet

GH-6602

Version: September 1,2020

POWDER COATING RESINS	PU
PE : HARDENER = 93 : 7	

Description

GH-6602 is a saturated hydroxylated polyester resin designed for 93/7 Powderlink 1174 powders to be cured at 200°C with catalyst 32-18A. Coatings based on GH-6602 combine a excellent mechanical properties and uniform wrinkle finish.

Specification

Item	Limits
Hydroxyl value (mg KOH/g)	30-35
Viscosity @ 200 °C, (mPa.s)	10000 - 15000
Color,b value	Max 10
Acid value (mg KOH/g)	Max 10

Other

Item	Typical value
Glass transition temperature (°C)	67

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-6602	646
1174	48
32-18A	6
TiO_2	280
Flow agent	10
Benzoin	10

Application/Extrusion Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
1st Zone Temperature	100 °C
2nd Zone Temperature	130 °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

Coating Properties

Test Items	Result
Cupping test (mm)	7
Direct impact (kg.cm)	80
Reverse impact (kg.cm)	80
Adhesion (grade)	0

System Properties

- Excellent mechanical properties
- Uniform wrinkle finish

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