KHUA®
ZHEJIANG GUANGHUA TECHNOLOGY

Technical Data Sheet

GH-6601

Version: September 1,2020

POWDER COATING RESINS	PU
PE : HARDENER = 67 : 33	

Description

GH-6601 is a saturated hydroxylated polyester resin designed for 67/33 polyurethane powders to be cured at 190°C. Coatings based on GH-6601 combine a excellent flow together with good weathering resistance and solvent resistance.

Specification

Item	Limits
Hydroxyl value (mg KOH/g)	90 - 110
Viscosity @ 200 °C, (mPa.s)	3000 - 5000
Color,b value	Max 15
Acid value (mg KOH/g)	Max 3

Other

Item	Typical value
Glass transition temperature (°C)	61

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-6601	402
Vestgon B 1530	198
TiO_2	385
Flow agent	10
Benzoin	5

Application/Extrusion Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
1st Zone Temperature	95 °C
2nd Zone Temperature	115 °C
Application	
Application	70 micrometer film on 0.5 mm chromated Al panel
Spray Gun	Output voltage: 70 kV
Curing	10 min @ 190° C metal temperature

Coating Properties

Test Items	Result
Film thickness (microns)	60-80
Gloss @ 60° (%)	90
Cupping test (mm)	7
Direct impact (kg.cm)	80
Reverse impact (kg.cm)	80
Adhesion (grade)	0

System Properties

- Very good weathering resistance
- Very good mechanical properties
- Very good chemical resistance
- Excellent flow
- No blooming

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