

General Description

Longcester® P-1000H is for glycoluril cure, for special wrinkle finish purposes. Ratio 93/7 for durable glycoluril

- Wrinkle finish
- Architectural grade
- Medium cure
- Good mechanical performance

Extrusion & Application Conditions

Extruder:	Lingyu SLJ-25
Zone I temp.:	85~105℃
Zone II temp.:	100~120℃
Screw speed:	400~500rpm
Panel:	0.5mm pre-treated cold-rolled steel
Spray gun:	Lingyu SJ-5
Voltage:	60~90kV
Curing cycles:	15 min. @ 200℃

Packaging

- White PE bag, N.W.25kg/bag, 1000kg/pallet.
- Big bags 750 kg.

Storage

The product can be stably stored for at least one year when kept in closed containers in a dry place at temperature below 30℃
Avoid exposure to direct sunlight.

Product Specifications

Property	Range	Test Method
Appearance	Clear granules	Visual
Hydroxyl value	35~45 mgKOH/g	ASTM E 222
Viscosity	75~80 Pa.s	ASTM D4287
Color	max.3	ASTM D1544
Tg	appr. 64	DSC

Starting Formulation

Component	Weight
P-1000H	93.0
Durable glycoluril	7.0
Titanium dioxide	50.0
LC-88 Flow agent	1.5
Benzoin	0.5
LC-920	0.8

Film Properties

	Result	Test Method
Film thickness, μm	approx. 90	ASTM D1186
Gloss @ 60°, %	approx. 3	ASTM D523
Direct/reverse impact, inch lbs	20/20	ASTM D2794
1/8" Conical mandrel	pass	ASTM D522
Adhesion(cross cut)	5B	ASTM D3359
Pencil hardness	H	ISO 15184-98

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