

## CP-4310

Chekad CP-4310 is a carboxylated polyester resin formulated for primid powder coatings.

### Final film properties

95/5 ratio, General purpose.

### Resin properties

Property	Unit	Value	Test method
Appearance	-	pale flakes	-
Acid value	mgKOH/g	30-36	ASTM D 1639
Viscosity	CP@200°C	2000-4500	ASTM D 4287
Glass transition temp (Tg)	°C	≥ 59	ASTM E 1356
Color	Gardner	< 3	ASTM D 1544

### Packaging

25 Kg bags or big bags.

### Storage

Store in a cool and dry place.

Keep away from heat sources and direct sunlight.

### Starting formulation

RM	Manufacturer	Formula
Primid Resin (CP-4310)	Chekad	570
T105 (Hardner)	SSC	30
Flow agent (GLP 288)	SSC	10
Benzoin	SSC	5
Blanc fixe (HY-PBS)	Hoyonn	185
TiO <sub>2</sub>	Lomon	200
Total		1000

#### Extrusion condition

Barrel Temperature: 95-100 (°C)

Speed: 300 (rpm)

#### Film properties

Thickness: 60-80 (µm)

Impact: 50 (kg\*cm)

Gloss (60°): > 90

#### Cure cycle

15 minutes / 180 °C

10 minutes / 200 °C

(Metal temperature)

### UVB test chart

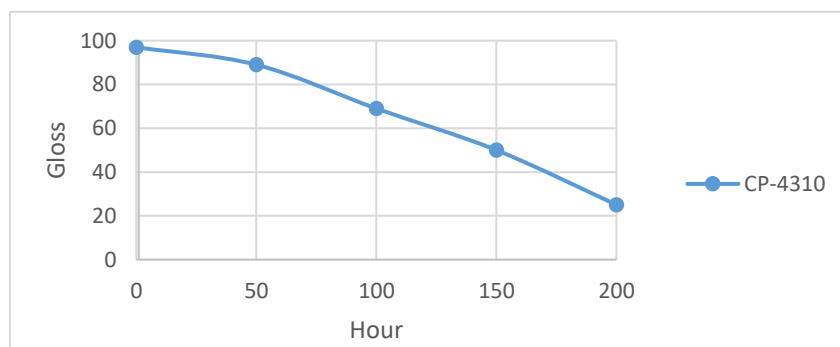
#### Test condition

UVB-313 nm

8h radiation (60 °C)

Emission= 0.77 W/m<sup>2</sup>

4h dawning (50 °C)



Note: Given information in this TDS is just for consumer guidance, please make sure of the resin suitability before use.

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