

## CP-4210

Chekad CP-4210 is a carboxylated polyester resin formulated for primid powder coatings.

### Final film properties

95/5 ratio, Good flow, Economy grade, Indoor application, Suitable for texture coatings.

### Resin properties

| Property                   | Unit     | Value       | Test method |
|----------------------------|----------|-------------|-------------|
| Appearance                 | -        | pale flakes | -           |
| Acid value                 | mgKOH/g  | 30-36       | ASTM D 1639 |
| Viscosity                  | CP@200°C | 1500-3500   | 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-4210) | 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

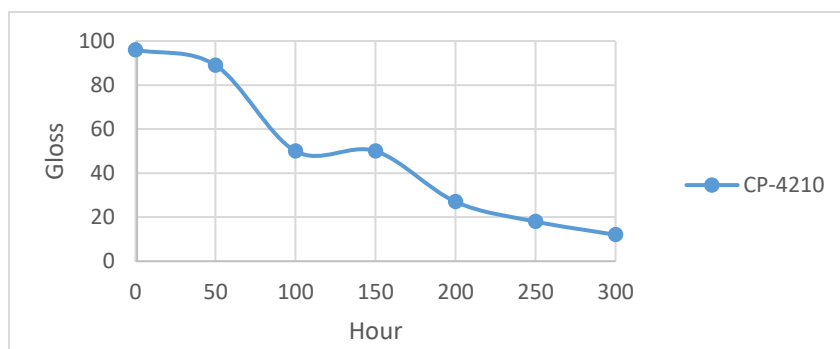
#### Test condition

UVB-313 nm

8h radiation (60 °C)

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

4h dawing (50 °C)



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

Shimi Pooshesh Kala Co.(Chekad)

Office: Unit# 52, Golbarg Commercial Center, Janbazan Ave., Narmak, Tehran-Iran

Tel: 0098-21-72531000

Fax : 0098 -21- 77955874

[www.chekad.com](http://www.chekad.com)

