

## CP-9407

Chekad CP-9407 is a carboxylated polyester resin formulated for 93/7 of TGIC powder coatings.

### Final film properties

High DOI, Good flow, Excellent mechanical properties.

### Resin properties

Property	Unit	Value	Test method
Appearance	-	pale flakes	-
Acid value	mgKOH/g	29-33	ASTM D 1639
Viscosity	CP@200°C	3000-6000	ASTM D 4287
Glass transition temp (Tg)	°C	≥ 63	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
Polyester Resin (CP-9407)	Chekad	558
TGIC(hardner)	SSC	42
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: 100-105 (°C)  
Speed: 300 (rpm)

#### Film properties

Thickness: 60-80 (µm)  
Impact: 50 (kg\*cm)  
Gloss (60°): > 90

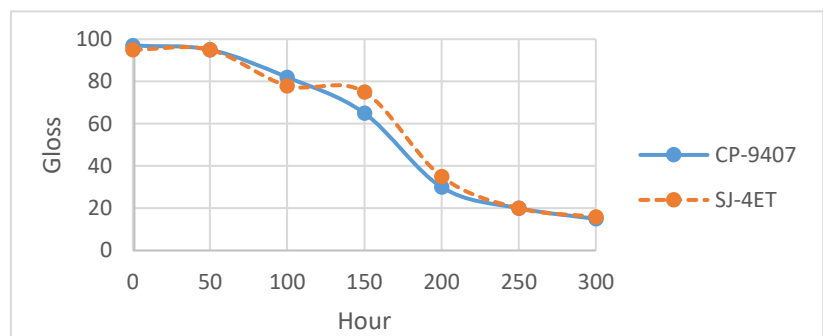
#### Cure cycle

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.



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