

CP-6310

Chekad CP-6310 is a carboxylated polyester resin designed for 60/40 formulation of hybrid powder coatings.

Final film properties

Excellent flow, High wetting, Good balance flow and mechanical properties.

Resin properties

Property	Unit	Value	Test method
Appearance	-	pale flakes	-
Acid value	mgKOH/g	50-55	ASTM D 1639
Viscosity	CP@200°C	2000-4000	ASTM D 4287
Glass transition temp (Tg)	°C	≥ 54	ASTM E 1356
Color	Gardner	< 2	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- 6310)	Chekad	352
Epoxy Resin (CE 12 ; EEW 720)	Chekad	248
Flow agent (GIP 288)	SSC	10
Benzoin	SSC	4
Blanc fixe (HY-PBS)	Hoyonn	86
Tio2	Lomon	300

Extrusion condition

Twin-screw extruder (preferably)

Barrel Temperature: 95-100 (°C)

Speed: 300 (rpm)

Film properties

Impact: 50 (kg*cm)

Gloss (60°): > 90

Adhesion: Excellent

Cure cycle

15 minutes / 180 °C

10 minutes / 200 °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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