

CP-4414

Chekad CP-4414 is a carboxylated polyester resin formulated for primid powder coatings.

Final film properties

Matt finish by dry blending with CP-4413,93/7 ratio.

Resin properties

Property	Unit	Value	Test method
Appearance	-	pale flakes	-
Acid value	mgKOH/g	50-55	ASTM D 1639
Viscosity	CP@200°C	1500-3000	ASTM D 4287
Glass transition temp (Tg)	°C	≥62	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
Primid Resin (CP-4414)	Chekad	558
T105(Hardner)	SSC	42
Flow agent (GIP 288)	SSC	10
Benzoin	SSC	5
Blanc fixe (HY-PBS)	Hoyonn	85
Tio2	Lomon	300

Extrusion condition

Twin-screw extruder (preferably)
Barrel Temperature: 100-105 (°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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