

CP-1410

Chekad CP-1410 is a hydroxylated solid polyester resin designed to be cured with isocyanate for polyurethane powder coatings.

Final film properties

80/20 ratio, Suitable for clear coat, Good flow, Excellent mechanical properties.

Resin properties

Property	Unit	Value	Test method
Appearance	-	pale flakes	-
Hydroxyl Value	mgKOH/g	30-45	ASTM E 222
Viscosity	CP@200°C	4000-7000	ASTM D 4287
Glass transition temp (Tg)	°C	≥ 63	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
Hydroxyl Resin (CP-1410)	Chekad	480
ICN Hardner(Veaton B 1530)	Evonic	120
Flow agent (GIP 288)	SSC	10
Benzoin	SSC	4
Blanc fixe (HY-PBS)	Hoyonn	86
TiO ₂	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

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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