

CP-1310

Chekad CP-1310 is a hydroxylated solid polyester resin designed to be cured with isocyanate for polyurethane powder coatings.

Final film properties

80/20 ratio, Good flow, Excellent mechanical properties.

Resin properties

Property	Unit	Value	Test method
Appearance	-	pale flakes	-
Hydroxyl Value	mgKOH/g	30-45	ASTM D 1639
Viscosity	CP@200°C	3000-6000	ASTM D 4287
Glass transition temp (Tg)	°C	≥65	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-1310)	Chekad	480
ICN Hardner (Veatagon B 1530)	SSC	120
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: 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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