

CP-1320

Chekad CP-1320 is a hydroxylated solid polyester resin designed to be cured with polyisocyanate for polyurethane powder coatings.

Final film properties

87/13 ratio, Polyol-polyester, Suitable for special purposes (Adhesives and Elastomers).

Resin properties

Property	Unit	Value	Test method
Appearance	-	pale flakes	-
Hydroxyl Value	mgKOH/g	25-35	ASTM D 1639
Viscosity	CP@200°C	5000-9000	ASTM D 4287
Glass transition temp (Tg)	°C	≥65	ASTM E 1356
Color	Gardner	< 1	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-1320)	Chekad	522
ICN Hardner (Veatagon B 1530)	SSC	78
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: 110-115 (°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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