



浙江中法新材料有限公司
ZHEJIANG SINO-FRENCH NEW MATERIALS CO.,LTD

聚酯树脂系列 Polyester Resin

QUELI® P5086AME SATURATED POLYESTER RESIN

Product Description	QUELI® P5086AME is a kind of saturated polyester resin, mixed with epoxy resin in 50/50 for polyester/epoxy powder coatings.	
Product Properties	QUELI® P5086AME is provided with: Very high gloss; Good flow;Film chubbiness; Excellent mechanical properties; Perfect anti-yellowing; Good storage stability;	
Specifications	Appearance:	Chip solid
	Color(50%DMF):	Max.3
	Acid value(mgKOH/g):	72-78
	Viscosity (175℃) mPa.s:	12000-16000
	Softening point(ball)℃:	95-115
	Tg(℃):	Appr.53
Package and Shelf life	25kgs net in bag. One year in dry and well-ventilated condition below 30℃. (If exceed shelf life, please check again. It can be used if inspection result is ok.)	
Starting Formulation	QUELI® P5086AME:	300g
	Epoxy Resin(E-12)/DER663U:	300g
	TiO ₂ (R902):	350g
	Flow Agent(PV5):	10g
	Benzoin:	5g
Extrusion Condition	Extruder:	BUSS PLK46
	Casing setting temperature℃:	110-120
	Kneading screw temperature℃:	60
	R.P.m:	60
	Particle size (μm):	Max.100
	Curing Condition:	180℃×15min (MT)
Film Properties	Thickness(μm):	60±10
	Gloss(60°)%:	Min.90
	Adhesion(grid 2mm):	0-1
	Bending (column mm):	Max.4
	Erichsen (mm):	Min.7
	Impact(kgcm):	50
	Hardness(pencil)H:	HB-1H
Application Condition	Degreased and stainless cold-rolled steel(mm):	0.5
	Spraying tension KV:	50

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