



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®

P5900ME SATURATED POLYESTER RESIN

Product Description	QUELI® P5900ME is a kind of quick concretion saturated polyester resin , mixed with epoxy resin in 50/50 for polyester/epoxy powder coatings.	
Product Properties	QUELI® P5900ME 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):	70-76
	Viscosity (175℃) mPa.s:	9500-12500
	Softening point(ball)℃:	95-115
	Tg(℃):	Appr.54
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® P5900ME:	300g
	Epoxy Resin(E-12)/DER663U:	300g
	TiO ₂ (R902):	350g
	Flow Agent :	10g
	Benzoin:	5g
Extrusion Condition	Extruder:	BUSS PLK46
	Casing setting temperature℃ :	120-120
	Kneading screw temperature℃ :	60
	R.P.m :	60
	Particle size (μm) :	Max.100
	Curing Condition :	180℃ × 10min. (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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