



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®

P5050ME SATURATED POLYESTER RESIN

|                               |                                                                                                                                                                                        |  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Product Description</b>    | QUELI® P5050ME is a kind of saturated polyester resin,mixed with epoxy resin in 50/50 for polyester/epoxy powder coatings.                                                             |  |
| <b>Product Properties</b>     | QUELI® P5050ME is provided with:<br>Very high gloss;<br>Excellent mechanical properties;<br>Good flexibility<br>Perfect anti-yellowing;<br>Good storage stability;                     |  |
| <b>Specifications</b>         | Appearance: Chip solid<br>Color(50%DMF): Max.3<br>Acid value(mgKOH/g): 70-76<br>Viscosity (175℃) mPa.s: 10000-13500<br>Softening point(ball)℃ 95-115<br>Tg(℃): Appr.56                 |  |
| <b>Package and Shelf life</b> | 25kgs net in bag.<br>One year in dry and well-ventilated condition below 30℃.<br>(If exceed shelf life, please check again. It can be used if inspection result is ok.)                |  |
| <b>Starting Formulation</b>   | QUELI® P5050ME: 300g<br>Epoxy Resin(E-12)/DER663U: 300g<br>TiO <sub>2</sub> (R902): 350g<br>Flow Agent(PV5) : 10g<br>Benzoin: 5g                                                       |  |
| <b>Extrusion Condition</b>    | Extruder: BUSS PLK46<br>Casing setting temperature℃ : 110-120<br>Kneading screw temperature℃ : 60<br>R.P.m: 60<br>Particle size (μm) : Max.100<br>Curing Condition : 180℃ × 15min (MT) |  |
| <b>Film Properties</b>        | Thickness(μm) : 60 ± 10<br>Gloss(60°)%: Min.90<br>Adhesion(grid 2mm): 0-1<br>Bending (column mm): Max.4<br>Erichsen (mm): Min.7<br>Impact(kgcm): 50<br>Hardness(pencil)H: HB-1H        |  |
| <b>Application Condition</b>  | Degreased and stainless cold-rolled steel(mm): 0.5<br>Spraying tension KV: 50                                                                                                          |  |

Address:Xiaoshu Industrial District, Lingang Economic Zone,  
Meixi Town, Anji County, Huzhou City,  
Zhejiang, China  
E-mail:glb@dfc-cn.com  
Website:http://www.dfc-cn.com

Foreign trade dept: Tel:0086 571 88093306  
Fax:0086 571 88092284  
Domestic marketing dept: Tel:0086 571 88094830  
0086 571 88093580  
Fax:0086 571 88099166