Yantai Meicheng Advanced Materials Co., Ltd
#1202 Huanghai Mingzhu,No.63 Guanhai RD,Laishan,Yantai,China
Tel: 0086-535-6397472    Fax: 0086-535-6903929
Website:www. meichengresins.com
E-mail:qiaoping@meichengresins.com  alfred@meichengresins.com

**M2316**

<table>
<thead>
<tr>
<th>Application</th>
<th>Outdoor</th>
<th>System</th>
<th>TGIC</th>
<th>Ratio</th>
<th>93:7</th>
</tr>
</thead>
</table>

### Resin

**Description** M2316 is a kind of saturated carboxyl polyester resin mixed with TGIC in 93/7 for exterior environment polyester powder coatings

**Properties**
- Good flow
- Good mechanical properties
- Perfect anti-yellowing
- Good storage stability
- Suitable for transfer printing powder coatings

<table>
<thead>
<tr>
<th>Spec.</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pale granule</td>
<td></td>
</tr>
<tr>
<td>Color(50%DMF)max:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Acid value(mgKOH/g):</td>
<td>35-42</td>
<td></td>
</tr>
<tr>
<td>Viscosity(175 °C)mPa.s:</td>
<td>15000-19000</td>
<td></td>
</tr>
<tr>
<td>Softening Point(ball) °C:</td>
<td>105-125</td>
<td></td>
</tr>
<tr>
<td>Tg (°C)</td>
<td>Appr.63</td>
<td></td>
</tr>
</tbody>
</table>

### Powder

**Recipe**
- M2316 558g
- TGIC 42g
- TiO2 386g
- Flow Agent M99 10g
- Benzoin 4g

**Process**
- Extruder BUSS PLK 46
- Casting setting tem 120-130°C
- Kneading screw tem 60°C
- R.P.m 60rpm
- Particle size(μm) Max100
- Curing Condition 200°C×10min(MT)

**Finishing**
- Spraying tension KV: 50
- Degreased and stainless cold-rolled steel(mm): 0.5mm

**Film pro.**
- Thickness μm 60 ± 10
- Gloss(60°)% Min.90
- Adhesion(2mm) 0-1
- Bending(mm) Max.4
- Erichsen(mm) Min.7
- Impact(Kg.cm) 50
- Hardness (pencil) H HB-1H

**Storage**
- One year in dry and well-ventilated condition below 30°C
- If exceed shelf life, please check again.
- If inspection result is ok, it can be used.

**Package**
- 25kgs net in bag