## M2307 Technical data sheet

### Application Outdoor

<table>
<thead>
<tr>
<th>System</th>
<th>TGIC</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>93:7</td>
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</tbody>
</table>

### Resin

**Description**

M2307 is a kind of saturated carboxyl polyester resin mixed with TGIC in 93/7 for exterior environment polyester powder coatings.

**Properties**

- High gloss
- Good flow
- Good mechanical properties
- Fast cure, low bake

**Spec.**

- Appearance: Chip Solid
- Color(50%DMF)max: ≤ 250
- Acid value(mgKOH/g): 30-37
- Viscosity(200 °C)Po: 3000-6000
- Softening Point(ball) °C: 105-115
- Tg °C: ≥ 60

### Powder

**Recipe**

- M2307: 558g
- TGIC: 42g
- TiO2: 350g
- BaSO4: 184g
- Flow Agent M99: 10g
- Benzoin: 3g
- Brighten Agent M70: 3g

**Process**

- Extruder: BUSS PLK 46
- Casting setting tem: 115-125°C
- Kneading screw tem: 50°C
- R.P.m: 70rpm
- Particle size(μm): Max100
- Curing Condition: 160°C×15min(MT)

**Finishing**

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

**Film pro.**

- Thickness μm: 60-80
- Gloss(60°)%: Min.90
- Adhesion(2mm): 0-1
- Bending(mm): Max.4
- Erichsen(mm): Min.7
- Impact(Kg.cm): 50
- Hardness (pencil) H: 1H

### Package

25kgs net in bag

### Storage

One year in dry and well-ventilated condition below 30°C

If exceed shelf life, please check again. It can be used if inspection result is ok.