

**maple<sup>®</sup> FL-2006**  
**TGIC Polyester Resin**

**TECHNICAL DATA SHEET**

**Version : 2017**

**General Description**

FL-2006 is a carboxyl functional polyester resin for combination with TGIC at 93/7

- Good flow
- Good storage ability
- Industrial application

**Extrusion&Application Conditions**

Extruder	Twin screw
Temperature ( °C )	105-115
Speed ( rpm )	250
Application	0.5mm steel panel
Curing-metal temp.	200°C/10min

**Product Specification**

Property	Range	Test Method
Appearance	Pale granules	Visual
Color(Pt-Co)	≤150	GB/T9282.1-2008
Acid value mgKOH/g	29-35	GB/T6473-2008
Viscosity Brookfield, @ 200°C,mPa.s	4500-5100	GB/T9751.1-2008
Tg ,°C	Approx 65	GB/T19466.1-2004

**Film Properties**

Test	Result	Test Method
Film thickness ( μm )	55-75	GB/T13452.2-2008
Gloss @ 60° ( % )	≥90	GB/T9754
Direct/reverse impact ( Kg.cm)	50/50	GB/T1732-1993

**Starting Formulation**

Component	Weight/g
FL-2006	558
TGIC	42
Titanium dioxide	386
Flow agent	10
Benzoin	4

**Package**

White opaque polyethylene bags of 25kg

**Shelf Life**

The shelf life of the resin will be one year.  
 Stored in a dry place at temperature below 30°C  
 Avoid direct sunlight.

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