

maple[®] FL-2011
TGIC Polyester Resin**TECHNICAL DATA SHEET****Version : 2024****General Description**

FL-2011 is a carboxyl functional polyester resin for combination with TGIC at 93/7

- Excellent flow
- Good storage ability

Extrusion&Application Conditions

| Extruder | Twin screw |
|--------------------|-------------------|
| Temperature (°C) | 100-110 |
| 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 | 30-36 | GB/T6743-2008 |
| Viscosity Brookfield, @ 200°C,mPa.s | 4400-5700 | GB/T9751.1-2008 |
| Tg ,°C | Approx 67 | GB/T19466.1-2004 |

Film Properties

| Test | Result | Test Method |
|--------------------------------|--------|------------------|
| Film thickness (μm) | 55-75 | GB/T13452.2-2008 |
| Gloss @ 60° (%) | ≥87 | GB/T9754 |
| Direct/reverse impact (Kg.cm) | 50 | GB/T1732-1993 |

Starting Formulation

| Component | Weight/g |
|------------------|----------|
| FL-2011 | 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.

Yantai Fenglin Advanced Materials Co., Ltd

Floor 11, Zhongxin Building, No.77 Changjiang Road, Economic and Technological Development Zone, Yantai City

Tel : 0086-535-6935111

Fax : 0086-535-6935188

Web : www.fenglin.com.cn

Emai : info@fenglin.com.cn

Disclaimer: The information contained herein are to the best of our knowledge and reliable. However, we make no warranty of any kind that the product and /or information is adapted for any specific use. Neither Maple nor Maple agent assume any legal responsibility for any loss or damages caused by products. The user should perform its own tests to determine the suitability for its particular purpose and remain the sole responsibility for its usage.