

**maple<sup>®</sup> FL-1078A**  
**Hybrid Polyester Resin**

**TECHNICAL DATA SHEET**

**Version : 2020**

**General Description**

FL-1078A is a carboxyl functional polyester resin for combination with Epoxy at 70/30

- Good flow
- High gloss
- Tribo charge

**Extrusion&Application Conditions**

Extruder	Twin screw
Temperature ( °C )	105-115
Speed ( rpm )	250
Application	0.5mm steel panel
Curing-metal temp.	180°C/10min

**Product Specification**

Property	Range	Test Method
Appearance	Pale granules	Visual
Color(Pt-Co)	200	GB/T9282.1-2008
Acid value mgKOH/g	30-36	GB/T6473-2008
Viscosity Brookfield, @ 200°C,mPa.s	3700-5000	GB/T9751.1-2008
Tg ,°C	Approx 56	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-1078A	420
Epoxy resin	180
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](http://www.fenglin.com.cn)

Emai : [info@fenglin.com.cn](mailto: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. Nither 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.

1