# Optema™ TC 120 ExCo

Ethylene Methyl Acrylate Copolymer Resin

ExxonMobil Chemical

## Описание материалов:

Optema TC 120 is an ethylene-methyl acrylate copolymer for extrusion coating, coextrusion coating and extrusion compounding requiring good adhesion between polyethylene, polypropylene, nylon, polydichloroethylene or other substrates. It can well balance the adhesion on the substrate and the interlayer adhesion with coextruded low density polyethylene and ethylene vinyl acetate copolymer. It is an excellent heat sealing layer in co-extrusion and extrusion coating, but may require additional additives or process corrections to avoid cooling roller adhesion. Processing conditions: Excellent extrusion coating effect can be obtained in the temperature range of 260°C to 300°C (500 ° F-572 °F). It is recommended that the processing temperature should not be higher than 32 0°C (608 °F). Optema EMA can be processed on traditional extrusion equipment for extrusion coating low density polyethylene. Its wide range of thermal stability provides a wide processing window. The nozzle of the extruder should be cooled by water to avoid bridging the feed port. Surface coating is recommended to use matte cold roll surface processing.

| Главная Информация | | | |
|---|---|---|---|
| Добавка | Стабилизатор тепла | | |
| **Физический** | **Номинальное значение** | **Единица измерения** | **Метод испытания** |
| Массовый расход расплава (MFR) (190°C/2.16 kg) | 6.0 | g/10 min | ASTM D1238 |
| Содержание метилакрилата | 21.5 | wt% | ExxonMobil Method |
| **Тепловой** | **Номинальное значение** | **Единица измерения** | **Метод испытания** |
| Викат Температура размягчения | 47.0 | °C | ASTM D1525 |

**Юридическое заявление**

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**Инструкции по экструзии**

Excellent results are obtained in extrusion coating at 260°C to 300°C (500°F - 572°F) temperature range. Processing temperatures above 320°C (608°F) are not recommended. Optema EMA can be processed on conventional extrusion equipment designed for extrusion coating LDPE. Their broad thermal stability range offers wide processing conditions window. Water cooling of extruder throat is preferred to avoid hopper bridging. Matte chill roll finishing is recommended for top coating.

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