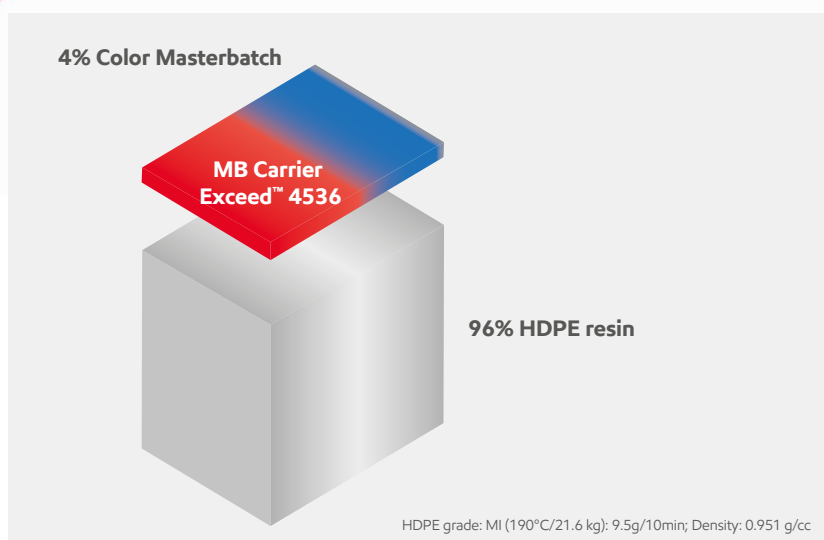




ExxonMobil performance PE as masterbatch carrier



Exceed™ performance PE can deliver:



ESCR improvement



Higher notched impact resistance value



Better color dispersion

Polymer properties	Exceed 4536	Test method* (based on)	Unit
Melt Index (190 °C/2.16 kg)	4.5	ASTMD1238	g/10 min
Density	0.936	ASTM D792 and ASTM D1505	g/cm ³

* For detailed product information, please consult the individual grade data sheet, available on our website: www.exxonmobilchemical.com.
Values given are typical and should not be interpreted as specifications. Data generated by or on behalf of ExxonMobil Chemical.

More activities at
Chinaplas 2023
(WeChat Scan):



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For more information: exxonmobilchemical.com/pe

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Three-layer Fully Electric Extrusion Blow Molding Line

Suzhou Tongda Machinery Co.,Ltd

Production Line Introduction

Three-layer fully-electric extrusion blow molding machine, weighing leak detector, waste collection system, finished product conveying system, automatic feeding system, cooling system.

Specification: HSE30L-3P-L

Material: HDPE [melt flow rate 8-12g/min (190°C, 21.6kg)]

Maximum extrusion capacity: 250kg/h

Maximum output: 70pcs (25 liter stacking bucket, 1.5kg)

Layer: A/B/C

Layer thickness ratio: 1:2:1



Extruder

- A-layer: 50 mm high efficiency extruder
- B-layer: 80 mm high efficiency extruder
- C-layer: 50 mm high efficiency extruder

Control system: Huichuan AP702

Advantage: Energy saving, high precision, fast response, low carbon environmental protection, low maintenance cost.

1 Energy saving

- 1.1. The equipment mold shifting, opening and closing mold, wall thickness, blowing needle, die raising head, etc. are directly driven by servo motor.
- 1.2. The moving mold opening and closing die adopts a connecting rod structure, and the components only need a very small torque when holding the position.
- 1.3. The extruder in the three sets of main extrusion system adopts a combined structure, and the drive motor is directly connected to the reducer, which further improves the energy conversion efficiency.

2. High precision and fast response

- 2.1. Components that require precise positions such as opening and closing molds, moving molds, and blowing needles are controlled by servos, which is far higher than the accuracy of previous displacement sensors.

- 2.2. The pneumatic system and cooling system adopt a new design concept. Shorten the blowing and deflation time during the molding process of the product. The diameter of the mold cooling water path is increased to improve the heat exchange efficiency of the mold.

3. Low carbon and environmental protection

- 3.1. The equipment has no hydraulic system, and the working environment of the whole equipment has no volatile oil pollution.
- 3.2. The main components are directly driven by motors, and the energy efficiency ratio is high. In the past, extrusion systems were generally belt-driven, which would form dust.

4. Low maintenance cost

- With remote monitoring function, it can remotely assist users to solve problems.



Tongda at Chinaplas 2023: 11J01

For more information:

www.tongdamachine.com