

# Integrated supplier of the Mass ABS

## Eastech shapes the future with innovation

Eastech Chemical is a high-tech company that commits to R&D and manufacturing of engineering plastics, synthetic latex and other polymer materials. It believes that science and technology constitute will be a primary productive force, which relying on the advanced technology, intelligent devices and agile operation and management, with driving innovation by science and technology, to create high-performance polymer industry cluster.

### 5 key advantages



450KT/Y Mass ABS



Advanced Material  
Development Centre

#### 01. Advanced mature polymerization technology

- ① The polymerization technology of the MASS ABS has very high technical barrier, and only few companies in the world have this technology.
- ② The MASS ABS technology of this project was introduced from Italian Company Versalis which is a subsidiary of the oil and gas giant ENI, and as the leader of the ABS technology Versalis has been an international leader in this field for more than thirty years.
- ③ Low energy consumption with very little emission in this polymerization process, and it can effectively help the enterprises to manage the carbon footprint with these easy using and recycling polymerized products.

#### 02. Good product batch consistency

- ④ One-stage continuous production process avoids the batch stability problem of emulsion ABS, and the product quality is much more stable.

#### 03. Purer, whiter and healthier

- ⑤ No water and emulsifier are added in the production process, and the content of impurities and residual monomers is only  $\frac{1}{50}$  of those in emulsion ABS, the product is more pure, the base color is whiter, and it is healthier for human body.

#### 04. Save time, save labor and save cost

- ⑥ Wider processing window can effectively improve the product yield.
- ⑦ Longer stay time can effectively guarantee the production take time.
- ⑧ Lower color matching costs can effectively reduce product costs.

#### 05. Unique performance balance

- ⑨ A wide range of product brands are introduced to meet the needs of different appearance properties from matte to high gloss.
- ⑩ The unique combination of the high heat resistance, flow, impact and low odor can meet the needs of extrusion board, injection molding, automotive applications.

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## Main products



L322			
Melt mass-flow rate(MFR)	Vicat softening temperature	zod notched impact strength	Gloss
24g/10min, @220°C/10kg	98°C, @50°C/hr, 5kg	18kJ/m <sup>2</sup>	80, @60°
Excellent flow-ability    Excellent gloss    Medium impact strength			

C442			
Melt mass-flow rate(MFR)	Vicat softening temperature	zod notched impact strength	Gloss
6.0 g/10min, @220°C/10kg	105°C, @50°C/hr, 5kg	24kJ/m <sup>2</sup>	65, @60°
High heat resistance    High impact strength			

M4			
Melt mass-flow rate(MFR)	Vicat softening temperature	zod notched impact strength	Gloss
8.0 g/10min, @220°C/10kg	100°C, @50°C/hr, 5kg	10kJ/m <sup>2</sup>	10, @60°
Matte surface    High stretch ratio    smooth extrusion surface			

D222			
Melt mass-flow rate(MFR)	Vicat softening temperature	zod notched impact strength	Gloss
10.0 g/10min, @220°C/10kg	100°C, @50°C/hr, 5kg	12kJ/m <sup>2</sup>	25, @60°
Modified plastics    very loss surface gloss    easy to mold			

E332			
Melt mass-flow rate(MFR)	Vicat softening temperature	zod notched impact strength	Gloss
9.5 g/10min, @220°C/10kg	103°C, @50°C/hr, 5kg	18kJ/m <sup>2</sup>	70, @60°
Medium to high heat resistance    Good flow-ability    Medium impact strength			

F332			
Melt mass-flow rate(MFR)	Vicat softening temperature	zod notched impact strength	Gloss
15 g/10min, @220°C/10kg	103°C, @50°C/hr, 5kg	17kJ/m <sup>2</sup>	95, @60°
Excellent gloss    Medium to high heat resistance    Medium impact strength			

B432/E			
Melt mass-flow rate(MFR)	Vicat softening temperature	zod notched impact strength	Gloss
4.0 g/10min, @220°C/10kg	103°C, @50°C/hr, 5kg	19kJ/m <sup>2</sup>	55, @60°
Medium to high heat resistance    High stretch ratio    Good surface finish			

B532/E			
Melt mass-flow rate(MFR)	Vicat softening temperature	zod notched impact strength	Gloss
4.0 g/10min, @220°C/10kg	103°C, @50°C/hr, 5kg	21kJ/m <sup>2</sup>	55, @60°
Medium to high heat resistance    High stretch ratio    Good surface finish			

B732/E			
Melt mass-flow rate(MFR)	Vicat softening temperature	zod notched impact strength	Gloss
4.5 g/10min, @220°C/10kg	103°C, @50°C/hr, 5kg	28kJ/m <sup>2</sup>	75, @60°
High impact strength    Medium to high heat resistance			