

UNICELL-Master Batch Products

Description

UNICELL-Master Batch products have been specially developed as a masterbatch of foaming agent for the expansion of EVA/LDPE resin.

UNICELL-Master Batch products consist of EVA/LDPE resin and a foaming agent.

The following advantages are achieved when using **UNICELL-Master Batch** for the expansion of EVA/LDPE resin.

- Prevents scattering of the foaming agent
- Reduces mixing time with base resin
- Provides excellent storage stability
- Reduces fire and explosion risks
- Prevents deterioration of the physical properties of the foamed part
- Provides whiter and uniform cell structure

Properties of UNICELL-Master Batch Products for EVA

Item	DX74MT	DX74HPMB	D600MT	DX3MT	DX19MT
Appearance	Pale Yellow Pellet	Pale Yellow Pellet	Yellow Pellet	Pale Yellow Pellet	Pale Yellow Pellet
Decomposition Temperature (°C)	143~148	166~172	202~206	155~160	148~154
Gas Volume (ml/g)	75~85	85~95	125~135	95~105	90~100
Contents of Foaming Agent (%)	55	55	50	55	60
VA Contents of EVA (%)	21			22	

Properties of UNICELL-Master Batch Products for LDPE

Item	D800LP65	C#850MT	C#709MT	D1500PEMT	D1500TSKMT
Appearance	Yellow Pellet	White Pellet	White Pellet	Yellow Pellet	Yellow Pellet
Decomposition Temperature (°C)	205~209	150~220	155~165	184~189	201~205
Gas Volume (ml/g)	150~160	35~45	45~50	80~90	85~95
Contents of Foaming Agent (%)	65	33	33	33	33
Carrier Resin	LDPE				

Applications

UNICELL-MT series is designed for general-purpose compression molding of EVA and EVA blends with natural or synthetic rubbers and polyethylene. The series is well suited for the production of shoe soles and phylon sponges.

UNICELL-MT series can be used for producing extrusion and injection molded foams of PS, PP, PE, ABS, TPR, TPE, and other polymers.

*Master batch pellet of Modified Azodicarbonamide and Modified Sodium bicarbonate

*High quality foams by injection and Compress molding process