

UNICELL-DX Series

Description

UNICELL-DX series is designed for use in cellular injection molding and compression molding.

Each product of the series has unique production properties.

Among these are;

- Plate-out solid decomposition residues are eliminated.
- Mold discoloration is prevented, resulting in stain-free moldings.
- "Built-in nucleation" provides flexibility during processing.
- Physical properties of expanded foam are improved.
(e.g., tensile strength, elongation, tear strength, and compression set)

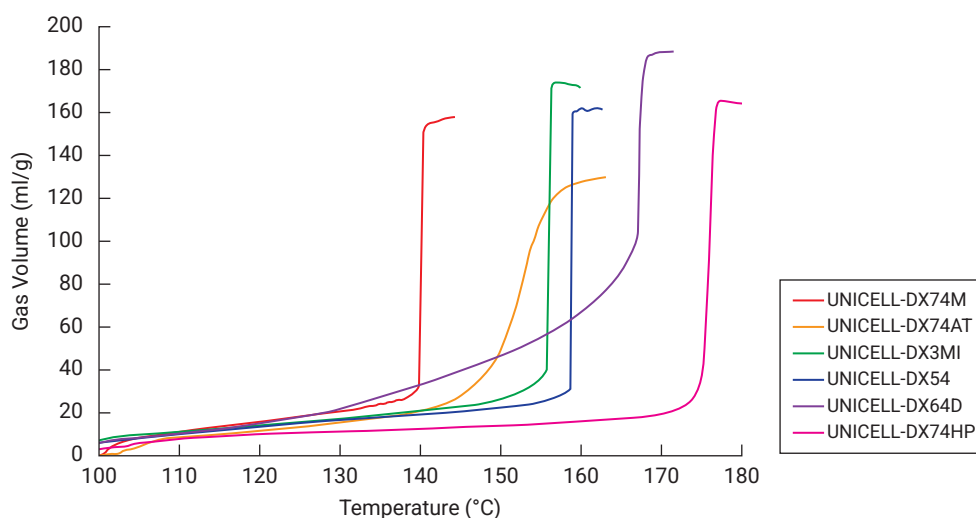
Properties of UNICELL-DX Series

Item	Specification					
Grade Name	DX74AT	DX74M	DX74HP	DX3MI	DX64D	DX54
Chemical Name	Modified Azodicarbonamide					
Appearance	Fine Yellow Powder					
Decomposition Temperature (°C)	150~154	138~141	173~176	152~160	164~168	152~158
Gas Volume (ml/g, at 25°C)	125~135	145~165	162~182	175~185	170~190	150~170
Average Particle Size (µm)	5.0~5.5	*11.5~13.5	6.0~7.0	5.7~6.3	7.5~8.0	7.0~7.5
Moisture Content (%)	0.5 max.	0.5 max.	0.5 max.	0.3 max.	0.5 max.	0.5 max.
Application	EVA Press Molding and Injection					

*Measured by Laser Particle Sizer

Applications

UNICELL-DX series is particularly well suited for shoe sole applications. Each grade is commonly used in EVA and rubber press molding, as well as in PVC extrusion systems.



*Modified Azodicarbonamide (Azobisformamide)

*Specially designed foaming agents for Natural / Synthetic rubbers and EVA