



**EXPANDABLE POLYSTYRENE MODIFIED GRADE (MA500B; MB500C; MB500E; MB500L; MB500R; MB590E; MB590L; MB590N; MC500B; MC500L; MC500R; MC590E; MC590L)**

**I. GENERAL DESCRIPTION**

Modified Grade (MA\*, MB\*, MC\*) Epsilyte expandable polystyrene is a Modified Grade (MA\*, MB\*, MC\*) EPS for shape and block molding. Modified Grade (MA\*, MB\*, MC\*) resin is a fast cycling/molding product designed for high productivity and molded parts requiring a good surface finish over a broad range of densities.

**II. PROPERTIES OF MODIFIED GRADE (MA\*, MB\*, MC\*) EXPANDED POLYSTYRENE**

4% Blowing Agent					
Type	Bead Size	Typical* Unexpanded Particle Size (mm)	Blowing Agent (%)	Recommended Density Range** (lb/ft <sup>3</sup> )	Method of Processing
MB590N	B	0.7-1.5	4.45 ± 0.25	0.90 - 3.00	Block

5% Blowing Agent					
Type	Bead Size	Typical* Unexpanded Particle Size (mm)	Blowing Agent (%)	Recommended Density Range** (lb/ft <sup>3</sup> )	Method of Processing
MB500L	B	0.7-1.5	5.0 ± 0.2	0.90 - 3.00	Block
MB500R	B	0.7-1.5	5.0 ± 0.2	0.90 - 3.00	Block
MB590L	B	0.7-1.5	5.0 ± 0.2	0.90 - 3.00	Block
MC500B	C	0.4-0.7	5.9 ± 0.3	0.90 - 1.25	Shape
MC500L	C	0.4-0.7	5.2 ± 0.2	1.15 - 2.00	Block
MC500R	C	0.4-0.7	5.7 ± 0.5	1.35 - 1.50	Block
MC590L	C	0.4-0.7	5.2 ± 0.2	1.15 - 2.00	Block

6% Blowing Agent					
Type	Bead Size	Typical* Unexpanded Particle Size (mm)	Blowing Agent (%)	Recommended Density Range** (lb/ft <sup>3</sup> )	Method of Processing
MA500B	A	0.9-1.9	6.0 ± 0.3	0.75 - 1.25	Block
MB500C	B	0.7-1.5	6.0 ± 0.3	0.90 - 1.25	Block
MB500E	B	0.7-1.5	6.3 ± 0.3	0.90 - 1.75	Block
MB590E	B	0.7-1.5	6.0 ± 0.3	0.90 - 1.25	Block
MC590E	C	0.4-0.7	6.2 ± 0.3	1.00 - 3.00	Block

\* Typical indicates at least 95% of the product falls within the given particle size range

\*\* Low density on low pentane products attainable with batch or double pass pre-expansion.



## EXPANDABLE POLYSTYRENE MODIFIED GRADE (MA500B; MB500C; MB500E; MB500L; MB500R; MB590E; MB590L; MB590N; MC500B; MC500L; MC500R; MC590E; MC590L)

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### III. APPLICATIONS

Modified Grade (MA\*, MB\*, MC\*) regular expandable polystyrene resin is formulated for molded parts requiring an excellent surface finish over a broad range of densities. It is specifically designed for use in **block and shape applications**. Epsilyte encourages its customers to review their specific applications to ensure the utilization of the appropriate Epsilyte product.

To assure that Epsilyte products are not misapplied or used in any manner which may not have been intended or tested, we suggest a review of proposed applications with Epsilyte personnel to assist in dealing with product approvals, processing, safety, and environmental considerations. Your Epsilyte Sales Representative can arrange for the proper contact with Epsilyte for such review.

### IV. SHIPPING AND HANDLING PRECAUTIONS

For further information, please refer to the Epsilyte Safety Data Sheet for product code " MA500B; MB500C; MB500E; MB500L; MB500R; MB590E; MB590L; MB590N; MC500B; MC500L; MC500R; MC590E; MC590L"; a copy of which is provided with the first shipment or upon request. Printed, Fax, or Electronic File copies of individual SDS may be requested by contacting our Customer Service representatives, Mon – Fri 8:00 AM to 5:00 PM CST, at 1-815-224-1525.

### V. MANUFACTURING LOCATIONS

Montreal, Quebec

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