



# EXPANDABLE POLYSTYRENE EVRgreen® TDS (evC280CZ; evC334H; evC334L; evC334M; evT280CZ EX; evT280CZL)

## I. GENERAL DESCRIPTION

Epsilyte EVRgreen® Grade expandable polystyrene is a Biodegradable<sup>1</sup> regular grade EPS for shape molding. EVRgreen® Grade resin is a fast cycling/molding product designed for high productivity and molded parts requiring a quality surface finish over a broad range of densities. EVRgreen® Regular Grade Epsilyte Expandable Polystyrene resin complies with FDA regulations 21 CFR 178.3010 "Adjuvant Substances Used in the Manufacture of Foam Plastics", 21 CFR 177.1640 "Polystyrene and rubber-modified polystyrene" and 21 CFR 174.5 "General Provisions Applicable to Indirect Food Additives" requirements of intended use set forth in Federal Food Drug and Cosmetic Act, as amended and all applicable food additive regulations, provided they are used for the intended purpose under the conditions of Good Manufacturing Practice (GMP).

## II. PROPERTIES OF FOOD SAFE REGULAR GRADE EXPANDED POLYSTYRENE

Type	Bead Size	Typical* Unexpanded Particle Size (mm)	Blowing Agent (%)	Recommended Density Range** (lb/ft <sup>3</sup> )	Method of Processing and Benefits
evC280CZ	C	0.4-0.7	5.7 +- 0.2	1.25 - 2.00	EVRgreen® Shape
evC334H	C	0.4-0.7	6.0 +- 0.3	1.25 - 2.00	EVRgreen® Shape
evC334L	C	0.4-0.7	4.6 +- 0.2	1.25 - 2.00	EVRgreen® Shape
evC334M	C	0.4-0.7	5.1 +- 0.2	1.25 - 2.00	EVRgreen® Shape
evT280CZ EX	T	0.3-0.5	5.9 +- 0.2	2.00 - 3.50	EVRgreen® Cup
evT280CZL	T	0.3-0.5	4.6 +- 0.3	2.00 - 3.50	EVRgreen® Cup

\* 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.

Contains EVRgreen® Technology

<sup>1</sup> EVRgreen® is shown to biodegrade 92% over four years under conditions that simulate both wetter and biologically active landfills using the ASTM D5511 test. While 80% of landfills are "wetter" or biologically active, they may not exist in your area. The stated rate and extent of degradation do not mean the product will continue to degrade. Any landfill in the United States and Canada located with >20" of annual rainfall is considered "wetter".



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### III. APPLICATIONS

EVRgreen® Grade expandable polystyrene resin is formulated for molded parts requiring an excellent surface finish over a broad range of densities. It is specifically designed for **packaging, food containers, and/or leak-resistant containers such as coolers**. 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 " evC280CZ; evC334H; evC334L; evC334M; evT280CZ EX; evT280CZL"; 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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