



## R-MER II<sup>®</sup> Resin (Grade 27)

### I. GENERAL DESCRIPTION

R-MER II<sup>®</sup> Grade 27 expandable resin is a high performance resin product designed to provide enhanced fracture resistance and improved multiple impact properties for premium cushion foam packaging. Flint Hills Resources, LP - R-MER II<sup>®</sup> resin may be expanded, molded, and recycled using conventional EPS technology.

### II. PROPERTIES OF RMER II<sup>®</sup> GRADE 27 EXPANDABLE RESIN

Type	Bead Size	Typical* Unexpanded Particle Size, (mm)	Blowing Agent Level	Recommended Density Range** (lbs./ft <sup>3</sup> )	Method of Processing
5627	B	0.600 – 1.400	STANDARD	1.25 – 3.0	SHAPE

End-Use/Application Temperature: °F (°C) - 165 (74) at all densities

\*Typical indicates at least 90% of product falls within the given particle size range

\*\*High densities attainable with batch pre-expansion.

### III. APPLICATIONS

R-MER II<sup>®</sup> expandable resin provides performance cushion packaging for fragile, high-value items. R-MER II<sup>®</sup> resin may be shape molded for custom cushion packaging or block molded for fabricated packaging. The minimum recommended single pass expanded density for R-MER II<sup>®</sup> resin is 1.25 pcf.

R-MER II<sup>®</sup> resin is completely recyclable under the SPI resin 6 code for polystyrene. It may be recycled in standard pre- and post-consumer streams, and may also be reground for reprocessing in a steam-chest molding operation.

To help insure that Flint Hills Resources, LP products are not misapplied or used in any manner in which they may not have been intended or tested, we suggest a review of proposed applications with our personnel. Your sales representative can arrange for the proper contact with our Technical Staff for such review.

#### **IV. EXPANDABLE POLYSTYRENE MANUFACTURING LOCATIONS**

Peru, Illinois, United States

The information contained herein is provided for general purposes only. By providing the information contained herein, Flint Hills Resources, LP makes no guarantee or warranty, and does not assume any liability with respect to the accuracy or completeness of such information, or the product results in any specific instance and hereby expressly disclaims any implied warranties of merchantability or fitness for a particular purpose, or any other warranties or representations whatsoever, expressed or implied. Nothing contained herein shall be construed as a license to use the Flint Hills Resources, LP in any manner that would infringe any patent.