

Pure monomer resins that **redefine pure resins**

As the **#1** supplier of pure monomer resins in the world, Eastman is trusted to bring the latest game-changing innovations to the adhesives market. Better resins mean better formulations, and in a competitive market, it makes sense to use materials that truly redefine what it means to be better. Eastman can offer the assurance of a certified, lower volatility pure monomer resin with lower residual monomer and the same outstanding performance you've come to expect from Eastman's traditional pure monomer resins.

Recent environmental concerns regarding volatile organic compounds (VOCs) in various formulations prompted Eastman to develop Kristalex™ 5140LV, Kristalex™ 3115LV, Kristalex™ 3100LV, and Plastolyn™ 290LV resins in response to the demand for low VOC raw materials. These aromatic polymer modifiers can be used for a variety of applications including adhesives, sealants, and TPE modification. Low volatile (LV) grades also show very low residual monomer and total volatile organic content compared to current pure monomer resins (PMRs) available in the market.

Figure 1. Comparison of volatile content based on 100° softening point resins

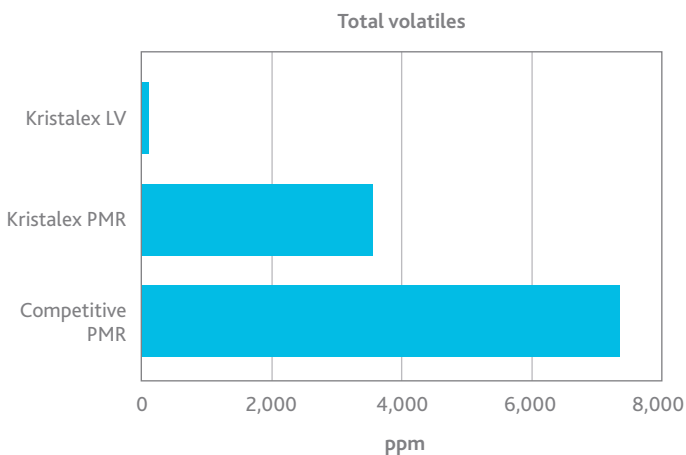


Figure 1 indicates a significant decrease of total volatile content and variation of volatile components in the LV grade when compared with competitive products and traditional Eastman PMRs.

Figure 2. Consistency of volatiles

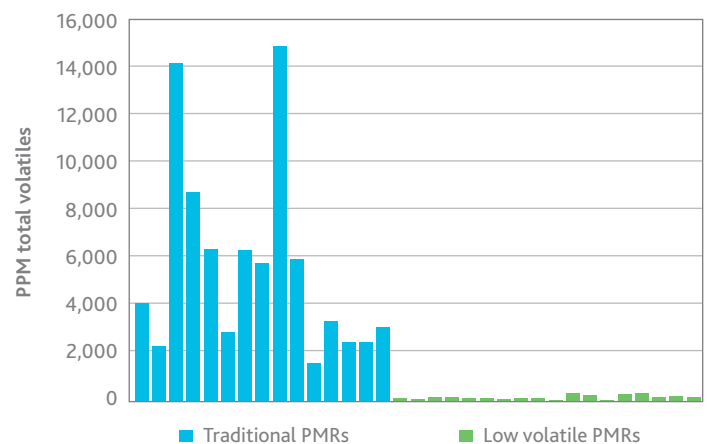


Figure 2 indicates the consistency of volatile content that low volatile pure monomer resins will provide to formulators when compared with traditional PMRs. Eastman's LV grades at all softening points have low total organic content and residual monomer.

In addition to lower volatility and residual monomer, the low volatile pure monomer resin brands will continue to offer the expected performance of Eastman's well-known PMR product line which has been used for many years to modify SBCs, EVAs, and other polymers to balance cohesion, melt viscosity, and mechanical properties. Eastman's traditional and low volatile pure monomer resins also provide excellent color and stability.

With very low volatiles, low residual monomer, and great performance, the new line of low volatile pure monomer resins is a great fit for anyone with increased concerns about VOCs, but unwilling to sacrifice the outstanding performance of traditional Eastman pure monomer resins.



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