

Dow corning's take on photonics

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Abstract

As the photonics market develops, there is a need to bring down material and processing costs. Siloxane polymers possess a unique set of properties that make them well suited for optical applications. In addition to their excellent thermal stability, mechanical stability and ease of processing, they are highly transparent in the ultraviolet, visible and selected bands in the near-IR spectra. The use of silicones to form strip-loaded waveguides and their performance will be discussed.