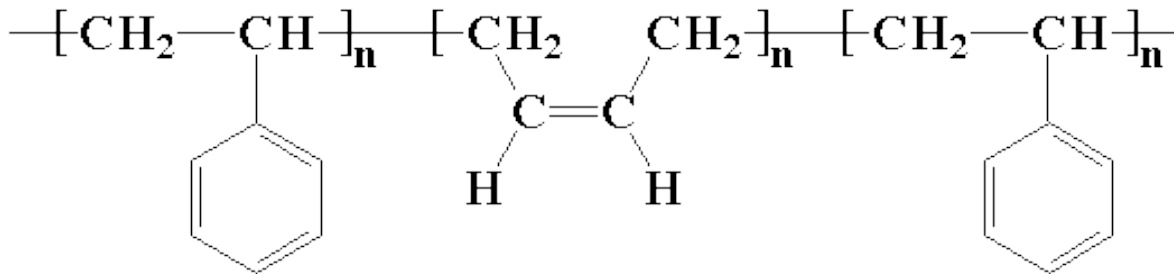


TPE: the eco-friendly choice

Conventional high polymers, like PVC, are made from many tiny molecules and are primarily constructed from saturated carbon-carbon particles. This makes the molecular chain of the conventional high polymers and plastics very stable; however, an unfortunate side-effect of these materials is they do not decompose easily. This makes them a problem for waste and landfill.



As per the illustration above, the TPE high polymer material we adopt, Polystyrene-butadiene-styrene or SBS, is constructed by bonding molecules of carbon-carbon – as such it is highly flexible and slip resistant. Further, once disposed of TPE decomposes easily, making it a viable eco-alternative. The bonding carbon-carbon molecules of these high polymer materials gradually decompose and become small-molecule hydrocarbon. This process even converts the product back to its original raw materials.

The CELLOMER® TPE foam is quite safe and stable for normal, everyday use. Precision manufacturing practices and the use of quality materials mean the mats will not decompose unless they have been discarded and exposed to prolonged UV light and high temperatures.