RETICULATED POLYESTER URETHANE FOAM
Reticulated polyester urethane foams have a three-dimensional skeletal strand structure that minimizes the possibility of open channels and provides excellent filtration properties. Polyester foam is a flexible, open-cell type of polyurethane foam that is porous and has a uniform cell structure. It has an evenly spaced cell structure with a high proportion of closed cells or “windows” that reflect light.

The large amount of windows makes polyester foam ideal for sealing as it naturally prohibits the flow of air. The uniform cell structure inherent in polyester foam also makes it ideal for the reticulation process. Polyester foam can be easily compressed, forming sheets with a fixed, desirable thickness. Additives introduced during manufacturing can transform the foam properties making it flame retardant, antimicrobial, anti-static, conductive and/or electrostatic dissipative (ESD). Felted polyester filter foam has a highly restrictive cell structure and is largely used for air and liquid filtration.