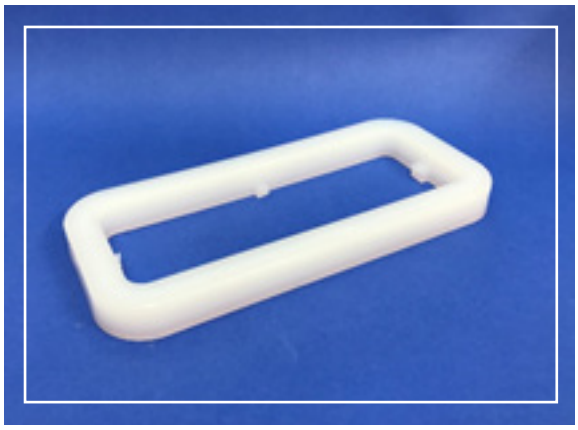
Tool Transfer to Solve Problem

RMB Products, located in Fountain, Colorado is a well known supplier of rotationally molded fluoropolymer tanks and containers for use in the semiconductor, biopharmaceutical and chemical process industries. These vessels are used for storage, mixing and processing of high purity chemistries and biopharmaceutical fluids. RMB Products routinely customizes these vessels to meet their customer demands and requirements. One aspect of customization is to add flanged openings to the vessels. The process of adding a flanged opening involves the welding of a like material frame to the vessel and then fabricating the flanged opening. In the case of a rotationally molded PFA tank, an injection molded PFA frame is welded to the tank.



RMB Products contacted Savillex about a new injection molded PFA frame that their vendor was unable to run. Their vendor had constructed tooling and attempted to injection mold the new PFA frames. They were unsuccessful in producing any acceptable parts. After discussions with RMB Products the tool was shipped to Savillex for a closer examination. Savillex engineers and tool designers reviewed the tool design and made several recommendations to make the tool more suitable for molding PFA. Among those changes were to increase gate, sprue and runner sizing as well as increased venting. RMB Products authorized those recommended tool changes and Savillex subsequently sampled the tool successfully. Full first article inspection reports were provided which RMB Products approved. This tool was put into production and is a good example of Savillex's expertise in correcting tool design problems.

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