

What is Parofluor ULTRA?

Parofluor ULTRA materials are high-performance perfluorinated elastomers designed specifically for use in harsh operating environments where superior thermal stability, chemical resistance and ultra-high purity are required. Parofluor ULTRA materials incorporate new elastomer polymer technology to offer maximum resistance to a broad range of process chemistries. These materials are formulated to retain their physical properties at extremely high temperatures and reduce system contamination (see figures 1-5 on reverse).

Seals made with Parofluor ULTRA materials are recommended for use in semiconductor fabrication equipment and in other critical applications where mean time between failures (MTBF) must be maximized. When used in plasma applications, seals made with Parofluor ULTRA materials offer improved plasma resistance and increased retained resiliency for longer seal life. In vacuum applications, Parofluor ULTRA materials have lower out gassing, lower permeation and lower weight loss, providing higher yields and productivity. In thermal applications, these materials provide improved stability at higher temperatures with low out gassing and extended seal force retained resiliency.