

Specialty Compounds

Compound 1050LF - A general-purpose compound for O-rings, seals, and other parts used in chemical process industries. It has good hot water/steam, and excellent amine resistance. Maximum recommended service temperature of 288°C [550°F]. Not recommended for use in organic or inorganic acids at high temperatures.

Compound 1058 - A carbon black-filled compound that has been plasticized with a perfluorinated oil. It is the softest, lowest modulus compound available. Generally, it is similar in chemical resistance to Compound 1050LF; it has an upper service temperature of 260°C [500°F]. Typically used in applications that require low sealing force or high extensibility including liquid chromatography septa, seals/seats for relief valves and tubing. Its shrinkage is greater than other Kalrez compounds; therefore, finished parts may differ from standard specifications.

Compound 3018 - A carbon black-filled compound similar to Compound 1050LF, except for higher hardness/modulus. This compound is good in hot water/steam and offers the best high pressure extrusion resistance. Generally used in oil field and process industry applications where these properties coupled with good amine and general chemical resistance are required. A maximum service temperature of 288°C [550°F] is recommended.

Compound 2037 - A non-black-filled compound that is well suited for selected applications in the semiconductor and other markets that demand high purity elastomers. Compound 2037 has excellent chemical resistance exhibiting low swell in organic acids, inorganic acids, esters, ketones, and aldehydes. It also offers good mechanical properties. A maximum service temperature of 218°C [425°F] is recommended.

Note: Before ordering Kalrez® parts in specialty compounds, please consult with DuPont Dow Elastomers or Distributor Technical Staff to determine properties needed for the application. Specialty compound products are generally not held in inventory.

