

特性 / Characteristic	氯丁橡膠 CR Neoprene	三元乙丙橡膠 EPDM Ethylene-Propylene Diene Monomer	合成橡膠 DR Synthesis Rubber	丁腈橡膠 NBR nitrile butadiene rubber	矽橡膠 Silicone rubber	氟橡膠 FKM fluororubbe
物理性能 / Physical Properties						
硬度範圍 / Hardness Range(Shore A)	40-75	35-80	60-70	40-90	20-85	50-80
拉伸強度 / Tensile Strength	◎	○	○	○	△	□
伸長率 / Elongation	◎	○	◎	○	◎	□
壓縮永久變形 / Compression Set	○	○	□	○	◎	○
回彈性 / Resilience	◎	○	□	○	○	△
耐電性能 / Electrical Resistivity	○	◎	○	×	◎	○
機械性能 / Mechanical Resistance						
撕裂強度 / Tear	◎	△	○	○	△	□
耐磨耗性 / Abrasion	◎	○	○	◎	×	□
切口增長 / Cut Growth	○	○	◎	○	×	□
溫度 / Temperature						
耐熱性 / Heat Resistance	□	○	□	□	◎	◎
耐低溫性 / Low Temperature Resistance	□	□	□	□	◎	△
耐介質性能 / Service Performance						
水 / Water	○	◎	◎	○	◎	○
酸 / Acid	○	◎	□	○	□	○
鹼 / Alkali	○	◎	□	○	□	○
脂肪烴 / Aliphatic Hydrocarbons	○	×	△	◎	○	◎
芳香烴 / Aromatic Hydrocarbons	×	×	×	△	○	◎
酒精 / Alcohols	○	○	□	◎	○	○
潤滑油 / Lubricating Oils	○	×	×	◎	×	◎
合成油 / Synthetic Oils	×	×	×	○	×	○
液壓機液體 / Hydraulic Fluids	□	○	×	□	×	○
燃料油 / Fuels Oils	□	×	×	◎	×	◎
其他 / Other						
耐候性 / Weather	○	◎	○	△	◎	◎
耐氧化 / Oxidation	□	○	○	□	◎	◎
耐燃性 / Flame Resistance	◎	×	×	×	×	◎
色澤穩定性 / color stability	×	○	○	□	◎	○
耐臭氧 / Ozone	○	◎	◎	△	◎	◎
主要特點 / Feature	耐熱、耐候、耐臭氧， 耐油，阻燃性好 weather, ozone and oil resistant and good flame retardant	耐熱、耐候性好， 電絕緣性好，耐臭氧， 耐化學穩定性 weather and ozone resistant,good electrical insulation properties,high chemical stability	耐候性好，耐臭氧 weather and ozone resistant	耐油性好，氣密性好 oil resistant, good air tightness	耐高低溫，耐老化， 色澤穩定， 可達到美國FDA級別 high temperature, ageing, resistance, high colour stability and meets FDA levels	耐高低溫，耐油， 耐化學品，阻燃性好 high temperature, oil and flame resistant, high chemical stability
缺點 / Weaknesses	加工儲存性差， 容易自硫 processing and storage, short life expectancy	耐油性差 poor oil resistance	耐油性差 poor oil resistance	耐候性及耐臭氧性差 poor weather and Ozone resistance	耐油性能差 poor oil resistance	彈性及耐低溫性差 poor flexibility and low temperature resistance
主要用途 / Usage	阻燃電器元件 flame retardant electrical components	O-ring, 墊片, 錶帶 rings, pads, and watch bands	錶帶 watch bands	O-ring, 油封, 橡膠密封件 O-rings, oil seals, rubber seals	錶帶, O-ring, 醫用矽膠配件 watch bands, O-rings, medical rubber components	O-ring, 墊片密封件 O-rings, pads, seal rings