

CLAWSON CONTAINER COMPANY

PACKAGING CLOSURE INFORMATION

Per 49 CFR 178.2(c) (ii), the below listed closures and gaskets were used to qualify Clawson Container Company's IBC's. You must use the approved gasket and closure tightened to the appropriate torque to meet DOT requirements.

Rotationally Molded 31H1, 31H2, 31HA1 and 21HH1 Closure Descriptions

Lid- 17" or 10" HDPE with cross ling #6 poly gasket or 7" HDPE with TPW or PE foam gasket, 2" PP emergency plug with EPDM, Viton ® or Teflon ® gasket; 2" vent (HDPE, 316 Stainless Steel, Hastelloy C with EPDM, Viton, or Teflon gasket). Tighten 17" or 20" lid to 180 foot pounds, 7" lid to 40 foot pounds, 2" bung to 20 foot pounds. 7" lid (2) 2" bungs – same as above.

Bottom Discharge – 2" flange/valve/adapter combination (PP with glass and carbon black; EPDM, Viton, Teflon, PE, or Santoprene O-Rings, Teflon seats and stem bushings), 2" dust cap (PP with glass and carbon black and 2" EPDM, Viton, or Teflon gasket) and 2" flange O-Ring gasket (EPDM, Viton or Teflon). Tighten bolts to 210 inch pounds. All 2" threaded valves at the outlet to be tightened to 45 foot pounds, except Red Handle Santoprene Plunger Valve with plastic collar to be 36 foot pounds.

Blow Molded 31HA1 Closure Descriptions

Lid – 6" HDPE with Viton, Santoprene and EPDM combine, Viton, EPDM or NBR gasket with or without 2" NPT bung with Santoprene gasket. Tighten 6" to 55 foot pounds. Tighten 9" lids to 75 foot pounds. Tighten 2" to 30 inch pounds.

Bottom Discharge – 2" flange/valve/adapter combination (PP with glass and carbon black; EPDM, Viton, PE, or Santoprene O-Rings, Teflon seats and stem bushings), 2" dust cap (PP with glass and carbon black and 2" EPDM, Viton, or Teflon gasket) and 2" flange O-Ring gasket (EPDM, Viton or Teflon). 2" valves to be tightened to 45 foot pounds, except Red Handle Santoprene Plunger valve with plastic collar and Euro valve to be tightened to 36 foot pounds; and 2" steel collar ball valve with EPDM or Viton gasket to be tightened to 55 foot pounds.

Metal 31A Closure Descriptions

Bung - 2" 304 Stainless Steel or Carbon Steel with EPDM, Teflon, Viton, Silicone or Buna gasket. Tighten 2" bung plug to 10 ft LBS. Poly gasket is a minimum of 10 ft LBS and maximum of 30 ft LBS.

Lid – 22" Stainless Steel or Carbon Steel with 22" plated steel bolted clamp ring with EPDM, Santoprene, Viton, Silicone, Buna, Neoprene, or Teflon gasket; 3" 316 Stainless Steel, Aluminum or Bronze fusible vent with EPDM, Viton, Buna Silicone or Teflon gasket. Tighten bolt to 35 ft LBS, use dead blow mallet to tap while tightening clamp ring.

Bottom Discharge - 2" 316 Stainless Steel or Bronze ball valve, Teflon seats and stem bushings and 2" PP or steel plug with EPDM, Viton, or Teflon gasket. Tighten bottom outlet assembly to 10 ft LBS.