

# Product Performance Summary

## 050-1300 Plastic Slam Action Latch

### Dust/Dirt Cycle Test:

All examples achieved 20K cycles during testing in a dust chamber using 10lb. DSL (Door Seal Load) with minimal wear seen on any of the components. One (1) of the examples were taken to 100K cycles, also with minimal wear seen on any of the components.

### Cold Impact (-40° F/-40° C) Test:

Examples were tested to determine the ultimate impact strength in a cold environment (-40° F/-40° C). The mean impact energy the latch will perform to is 70 in-lbs (7.9 Nm).

### Static Load Test (Ambient Temp):

Examples were tested to determine the ultimate strength of the latch at room temperature (70° F/ 21.1° C). The minimum static load the latch will perform to is 750 lbf (3336 N).

### Static Load Test (-40°F/-40°C):

Examples were tested to determine the ultimate strength of the latch at cold temperature (-40° F/-40° C). The minimum static load the latch will perform to at cold temperature is 650 lbf (2891 N).



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