TEST REPORT AS PER COMPLIANCE STANDARDS WITH U.S CPSC SAFETY STANDARDS FOR CLOTHING STORAGE

SKU :IN 4213

1. Maximum hand holding height = 4.12 Feet or Less = (2.59 Feet)

2. Distance of extendable drawer extension from fulcrum = 0.79 Feet

3. Drawers filled with weight = 8.5 Pound per cubic feet of functional volume-(1/8 inch)
= 8.5 (1.72 x 0.83 x 0.52) - (0.125) = 6.18 Pounds
Fill weight in each drawer = 6.18 Pounds

5. Horizontal distance of extendable drawer from the centre of force to fulcrum = 0.92 Feet

6. Tip force = 12.78 Pounds

5. Tip-over moment = Force applied x Horizontal distance from the centre of force to fulcrum
= 12.98 Pounds x 0.92 Feet = 11.94 Pound-Feet

6.Threshold moment :

A) CRITERION 1 -

(55.6 Pounds times extendable drawers extension from the centre of force to fulcrum (0.79 feet) + 26.6 = **70.52 Pound-Feet**

B) CRITERION 2 - 17.2 Pounds x hand holding height (2.59 Feet) = **44.54 Pound-Feet**

The applicable criteria will be Criterion 1 since it is greater then Criterion 2

Result :

Tip-over moment < Threshold moment
(11.94 Pound-Feet) (70.52 Pound-Feet)

Conclusion :

This unit does not need stability requirements.