



El Segundo Fire Department Fire Prevention Division

Fire Prevention Interpretation # 12-1 California Fire Code Section 304.3.2 Non-metallic Combustible Rubbish and Waste Material Containers Over 40 gallon Capacity

The Fire Department has received a request to allow the All Source E-Series Secured Collection Cart, 64 Gallon capacity secured recycling container to be approved as a non-metallic refuse/waste container. After reviewing the manufacturer's documentation, the container is made of a fire retardant polyethylene plastic that has been tested and meets a Class B fire rating. The container has not been tested in accordance with ASTM test standard E1354 and cannot be confirmed if the material does not have a peak rate of heat release not exceeding 300 kW/m² with an incident heat flux of 50kW/m² in the horizontal orientation.

To check the combustibility of the container, two burn tests were performed. During the initial test, the container lid was closed and burning material was placed in the lid opening. The piece of paper on fire was extinguished. During the second test, a burning piece of paper was placed in the container with the lid open. The lid was closed. After 15 minutes, the test identified the container material did melt, but did not combust and the paper inside the container did smolder but did not reach open burning.

After reviewing the test results, it is the Fire Prevention Division's policy that the All Source E-Series Secured Collection Cart, 64 Gallon capacity secured recycling container can be used as a non-metallic refuse/waste container with the following conditions:

1. The lid must be secured with a lock to prevent persons from opening the lid.
2. The container must be stored in a fully sprinklered building
3. The container cannot obstruct the exit path.

The effective date of this interpretation is March 5, 2012.

Interpretation Issued By:

James J. Carver
Fire Marshal