

## Dangerous goods container performance standards

## • 200 / Steel Drum Can Standards

• 200 <i>l</i> S	Steel Drum Ca	n Standar	ds				
Test	Fire Service Act				UN Bulletin		
Drop test	equilib	I 1.8m d×1.5m	II 1.2m d×1.0m al and external pred type) No leakin	orted substance)  III  0.8m  d×0.67m  ssures are in g (Open head type)	1 .Drop height (d: Density of transported substance)  Container level I III III  Density of 1.2 or less 1.8m 1.2m 0.8m  Density over 1.2 d×1.5m d×1.0m d×0.67m  2 .Passing criteria  LiquidsNo leaking when internal and external pressures are in equilibrium SolidsNo leaking from outer packaging		
Sealing test	Danger level Applied pressure	I 30 kPa or more	II 20 kPa or more	III 20 kPa or more	Container level I II III  Applied pressure 30 kPa or more 20 kPa or more 20 kPa or more		
Hydraulic test	Danger level I II II Applied 250 × 100 × 100 kPa VApply higher of above and below pressures.  Vapor pressure of content at 55°C x 1.5-100 kPa Passing criteria···No leaking after retention for 5 min. (For plastic containers, retention time shall be 30 min.)  Container level I III III  Applied 250 × 100 × 100 kPa VPa WPa WPa WPa WPa WPa WPa WPa WPa WPa W				Applied pressure 250		
Stacking test	1. Stack to equivalent height of 3 m and leave for 24 hr.  (Leave plastic containers at 40°C or higher temperature for 28 days.)  2. Passing criteria  No leaking or deformation.				<ol> <li>Stack to equivalent height of 3 m and leave for 24 hr.         (Leave plastic containers at 40°C or higher temperature for 28 days.)</li> <li>Passing criteria         No leaking or deformation.</li> </ol>		
Remarks	Sealing test/ Hydraulic test. Stacking test * Perform drop terplastic outer pack  2. Passing criteria ①That for Typ ②Transportab (excluding D	. bly to all containers Apply to liquid cont Apply to liquid co Apply to all contain	ainers.  ntainers.  ners.  low for transportal r receptacles or pa  the following con terial of 61°C or h pe 2 and 4 hazaro tterial) that fit a 50	tainers. igher flash point lous material 0m0 or	1 .Test applicability Drop testApply to all containers. Sealing testApply to liquid containers. Hydraulic testApply to liquid containers. Stacking testApply to all containers.  * Perform drop tests at -18°C and below for plastic drums or composite packaging (that consist of outer packaging and a plastic inner receptacle).  2 .Plastic drum and composition packaging standards Plastic drums and composition packaging with plastic outer packaging and plastic inner receptacles must undergo impact tests for the type of plastic.		