

# Certificate of Test

Quote No.: NE7949

REPORT No.: FNE12123

## AS/NZS 1530.3:1999 SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE

**TRADE NAME:** Impertek  
**SPONSOR:** Sovereign Distributors Pty Ltd  
10 Kembla Way  
WILLETTON WA 6155  
AUSTRALIA

**DESCRIPTION OF SAMPLE:**

The sponsor described the tested specimen as an 80% polypropylene and 20% talcum (PP-T20) plastic pedestal with a thermoplastic elastomer (TPE) anti-shock headpiece disc comprising of the following layers:

Layer 1 (exposed face): 2-mm thick, 120-mm diameter rubber disc TPE;  
Layer 2: 12-mm thick, 120-mm diameter balance head comprising of PP-T20;  
Layer 3: 62-mm to 82-mm thick, 100-mm diameter screw body comprising of PP-T20;  
Layer 4 (unexposed face): 28-mm thick, 200-mm diameter base comprising of PP-T20.

The layers were slotted into pre-moulded grooves to form one unit. For the test, six pedestals were juxtaposed to form the 600-mm by 450-mm size required to form one sample. The pedestals were held together using two layers of wire mesh.

Nominal total thickness: 62 mm to 82 mm  
Nominal density of TPE: 1.17 g/cm<sup>3</sup>  
Nominal mass of each unit: 200 g  
Colour: black (body), yellow (disc)

**TEST PROCEDURE:** Six samples were tested in accordance with AS/NZS 1530, Method for fire tests on building components and structures, Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, 1999. For the test, each sample was held between two layers of square mesh having 0.8-mm diameter wires and 12-mm x 12-mm nominal aperture size, and was clamped to the specimen holder in four places.

**RESULTS:** The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	4.8	0.2
Flame Spread Time (s)	66.3	3.7
Heat Release Integral (kJ/m <sup>2</sup> )	206.7	9.3
Smoke Release (log <sub>10</sub> D)	-0.767	0.017

For regulatory purposes these figures correspond to the following indices:

Ignitability Index	Spread of Flame Index	Heat Evolved Index	Smoke Developed Index
(0-20)	(0-10)	(0-10)	(0-10)
15	7	8	5

The results of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

DATE OF TEST: 20 February 2018

Issued on the 27<sup>th</sup> day of March 2018 without alterations or additions.



Faustin Molina  
Testing Officer



Brett Roddy  
Team Leader, Fire Testing and Assessments

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CSIRO INFRASTRUCTURE TECHNOLOGIES

14 Julius Avenue, Riverside Corporate Park, North Ryde NSW 2113 AUSTRALIA  
Telephone: 61 2 9490 5444 Facsimile: 61 2 9490 5555 www.csiro.au

