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Sample ID : SPC PARKE

	TEST	METHOD	SPECIMEN	RESULT
*	Reaction to fire tests Ignitability of products subjected to direct impingement of flame Part 2: Single flame source test	EN 11925-2:2020	SPC PARKE	B-s1-d0



Seal

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Environment

The requirements and standards apply to equipment intended for use in:

X	Residential (domestic) environment
X	Commercial and light-industrial environment
X	Industrial environment
X	Medical environment

Scope

This part of ISO 11925 specifies a method of test for determining the ignitability of products by direct small flame impingement under zero impressed irradiance using vertically oriented test specimens.

Conditioning

Time	Temperature	Relative Humidity
48 h	(23 ± 2) °C	(50 ± 5) %

Procedure

Light the burner in the vertical position and allow the flame to stabilize. The burner to adjust give a flame height of 20 mm using the. The flame height shall be checked prior to each flame application.

Tilt the burner at 45° with respect to its vertical axis and advance it horizontally until the flame reaches the pre-set contact point with the test specimen.

Start the timing device at the moment the flame is brought into contact with the test specimen. Apply the flame for 15 s or 30 s as required and then retract the burner in a smooth continuous manner.

Surface Exposure

For all essentially flat products, the flame shall be applied on the centreline of the specimen, 40 mm above the bottom edge. Each different surface that could be exposed in practice shall be tested.

The flame application point which gives the worst result shall be determined by performing at least two tests for each possible flame application point. The results should be compared and a complete test of six specimens shall be conducted using the flame application point which gives the worst result.

Duration Of Test

If the flame application time is 30 s, the total test duration shall be 60 s from the time at which the flame is first applied.

Test Result

Method And Period For Application Of Flame		Application to surface, 30 s					
Sample		#1	#2	#3	#4	#5	#6
Ignition (Yes/No)		Yes	Yes	Yes	Yes	Yes	Yes
Time From Start Of Test For Flame Tip To Reach 150 mm (Seconds)		Did not reach	Did not reach	Did not reach	Did not reach	Did not reach	Did not reach
Extent Of Flame Spread(mm)		52	45	49	54	47	56
Flaming Debris		None	None	None	None	None	None
Glowing		None	None	None	None	None	None
Extent Of Damaged Area (mm)	Height	86	83	87	84	83	85
	Width	71	68	75	72	72	69

Conclusion: On each set of six specimens which were tested, the flame tip did not reach a distance of 150mm before the end of the test.

Sample Image



*****End Of Report*****