

BIGMATSL arc SATRA **Technical Report** "Infatals SPC8355M9Q5 0248 BIGMATS BIG MATS LTD Work Requested Samples of material, see table 1, were received by SATRA, for testing in accordance with the method and requirements of EN 71 - 2: 2011+A:2014 Clause 4.4 Toys to be entered by a child only. BIG MAT Testing was carried out to demonstrate the material is not highly flammable and meets the requirements of clause 4.1 General Requirements. The clause is also called by EN716-1:2017, for children's cots. Table 1 – Samples Received Sample description as stated by the client Approximate weight of sample EVA/Foam Interlocking Tile 407g SPC8355M9Q5 MATSLTD Sp_{C8} Figure 1 BIG MATS LTD 155M9Q5 Conclusion 🏷 Standard Clause / Property Result 4.1 General Requirements Pass BIG MATS LTD EN 71 - 2: 2011+A:2014 Pass Toys to be Entered by a Child 4.4 (See Note B) 355N19Q5 ³³⁵⁵M9Q5 MATSLTD



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Technical Report SPC8355M9Q5 BIG MATS LTD



Testing Conditions

SATRA

Conditioning of samples prior to testing: Minimum of 7 hours at 20°C, 65% rh Burner: As detailed in EN ISO 6941: 2003 Annex A Sample size: 610 × 100 mm Position of sample nouse. Angle of burner: 0° (to vertical) SPC8355MgC Position of sample holder: 45 ± 1° to the horizontal Position of burner: Vertical to sample Distance between burner & specimen: 30 ± 2 mm Height of marker thread 1: 50 mm (thread to be > 2 mm above surface of sample) Height of marker thread 2: 550 mm (thread > 2 mm above surface of sample) Flame height: 40 ± 3 mm Burner pre-neat units. 2 Flame Application: 10 ± 1) seconds Air Speed within chamber: < 0.2 mm / s at start of test Burner pre-heat time: 2 mins Humidity within chamber: Between 15% and 80% rh Gas Type: Butane OR Propane

Pre-Conditioning of Samples SPC8355M9Q5

Sample was tested as received. MgQ5

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	SATRA	Technic ⁸ /G	cal Report	A Contraction of the second se	UKAS TESTING 0248
Q5	Test Results EN 71-2: 2011 Test results	⁵⁵ N19Q5	INSLTD	¹⁰⁵ M9Q5	ATSLTD

	Clause / Test	Requirement	Test Results			UoM (See note A)	Result		
MAT	io.	The rate of flame	Test Area /	Тор	Base	D'C	Mar	520	0.3
	° LTN	spread shall be ≤ 30	Direction	up	Up		NS		551
		mm.s ⁻¹ or shall self- extinguish before the	Did sample ignite?	Yes	Yes		LTD		- 19
		second marker thread is severed.	Was first marker thread severed?	Yes	No				
	.0.	~	Was second						
	Co Co	If the rate of flame	marker thread	Yes	No		Sp		4
Ö	3551	spread is ≥ 20 mm.s [_]	severed?		MA	7-	C.S	3.5-	
	a	¹ , there shall be no	Time taken for /o	0		SLA		5Mg	
	Clause 4.4 Toys to be Entered	flaming debris or 🤍 molten drips.	flame to reach	153	17	-12	± 0.17s	Pass See	5
	by a Child	monen unps.	second marker thread (s)				± 0.3mm	Note	
	by a crina	If the rate of flame	Distance travelled					11010	
Coost	BI	spread is between 10	between marker	60	N/A	~			
	~/G	mm.s ⁻¹ and 30 mm.s ⁻	hreads (mm)	GA		0,0		BIG	
	SMO-	1, both the toy and	Rate of flame	0.4	S N/A		03551		MATO
	COQ5	the packaging shall	spread (mm/s ⁻¹)		415		⁰ //90~		
		be permanently marked with the	Flaming Debris?	Yes	Yes		C.A.		
		following warning:	Molten Drips?	Yes	Yes				
		"Warning! Keep							
	BIO	away from fire"	Ris		2		Δ.		
	MAX	Coza	GMA		~~		S/G		
	SLA	5N19	TATS		U _U	55M	4	ATS,	

Additional Information / Notes

Note A – 'UoM' denotes estimated Uncertainty of Measurement for stated test results. This uncertainty value is based on a standard uncertainty multiplied by a coverage factor k = 2, which provides for a confidence level of approximately 95%

Note B: Material meets the requirement, but is designed for a child to play on, rather than enter. During testing it was noted that smoke was produced.

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Tests marked ¥ are performed under SATRA's Flexible UKAS Schedule.

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Where values for uncertainty of measurement are included within the report then the uncertainty of the corresponding results are based on a standard uncertainty multiplied by a coverage factor k=2, which provides a coverage probability of approximately 95%.

When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

Where the result corrected for uncertainty falls outside of the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 50%. In this instance SATRA will not provide a Pass/Fail statement or a class or level but will include information in the notes in relation to the result obtained.

Where a report contains SATRA guidelines values then uncertainty of measurement values have been taken into account when determining the guideline values and as such are not considered when determining pass/ fail criteria.