



VERTICAL FLAMMABILITY TEST RESULTS 14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)		Skandia, Inc. WO # 281461-14 Client PO		
Guetermann Polygal Mexicana SA Calle 9 Este No. 86 Fracc. Industrial Civac Jiutepec, Morelos Mexico . 62500 MX		Doc ID: 12NW-312799 Test Plan # Rev Project # Technician Ray Korte		
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION				
Make: Stock		Model: N/A	Serial: N/A	
			Tail: N/A	
Conditioning Room Data: Date In: 10/31/2014 Time In: 09:45 Date Out: 11/03/2014 Time Out: 15:38				
SPECIMEN MATERIALS				
Part No: SALTA K Gutermann Polygal Mexicana: Color 7154, Dtex 750				
Set	Flame Application (seconds)	Flame Time (seconds)	Burn Length (inches)	Drip Flame Time (seconds)
1	12	0.0	1.7	0.0
2	12	0.0	2.0	0.0
3	12	0.0	3.1	0.0
Average:		0.0	2.3	0.0
<i>Vertical (12 second) Burn Test: Average Self-Extinguish time may not exceed 15 seconds. Average Burn Length may not exceed 8 inches. Average Dripping may not exceed 5 seconds after falling.</i>				
Comments: -				
<input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed				
CERTIFICATION: I certify that after testing these specimens, the above results were obtained in accordance with the procedures and equipment specified by Code of Federal Regulations Title 14 Part 25, revised as of January 1, 2004 and the Aircraft Materials Fire test Handbook dated April, 2000.				
Jennifer Paluzzi -FAA DER		<i>Jennifer Paluzzi</i>		11/03/2014
WITNESS				DATE



VERTICAL FLAMMABILITY TEST RESULTS 14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)		Skandia, Inc. WO # 281461-14 Client PO		
Guetermann Polygal Mexicana SA Calle 9 Este No. 86 Fracc. Industrial Civac Jiutepec, Morelos Mexico . 62500 MX		Doc ID: 12NW-312806 Test Plan # Rev Project # Technician Ray Kortte		
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION				
Make: Stock	Model: N/A	Serial: N/A	Tail: N/A	
Conditioning Room Data: Date In: 10/31/2014 Time In: 09:45		Date Out: 11/04/2014 Time Out: 09:30		
SPECIMEN MATERIALS				
Part No: Newbond 20 Gutermann Polygal Mexicana: Color 000, DTEX 1560				
Set	Flame Application (seconds)	Flame Time (seconds)	Burn Length (inches)	Drip Flame Time (seconds)
1	12	0.0	1.6	0.0
2	12	0.0	3.0	0.0
3	12	0.0	5.1	0.0
Average:		0.0	3.2	0.0
<i>Vertical (12 second) Burn Test: Average Self-Extinguish time may not exceed 15 seconds. Average Burn Length may not exceed 8 inches. Average Dripping may not exceed 5 seconds after falling.</i>				
Comments:				
<input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed				
CERTIFICATION: I certify that after testing these specimens, the above results were obtained in accordance with the procedures and equipment specified by Code of Federal Regulations Title 14 Part 25, revised as of January 1, 2004 and the Aircraft Materials Fire test Handbook dated April, 2000.				
Jennifer Paluzzi -FAA DER		11/04/2014		
WITNESS		DATE		



VERTICAL FLAMMABILITY TEST RESULTS 14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)		Skandia, Inc. WO # 281461-14 Client PO		
Guetermann Polygal Mexicana SA Calle 9 Este No. 86 Fracc. Industrial Civac Jiutepec, Morelos Mexico . 62500 MX		Doc ID: 12NW-312807 Test Plan # Rev Project # Technician Ray Kortte		
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION				
Make: Stock		Model: N/A	Serial: N/A	
			Tail: N/A	
Conditioning Room Data: Date In: 10/31/2014 Time In: 09:45 Date Out: 11/04/2014 Time Out: 09:42				
SPECIMEN MATERIALS				
Part No: Newbond 40 Gutermann Polygal Mexicana: Color 000, DTEX 700				
Set	Flame Application (seconds)	Flame Time (seconds)	Burn Length (inches)	Drip Flame Time (seconds)
1	12	0.0	3.1	0.0
2	12	0.0	5.5	0.0
3	12	0.0	5.4	0.0
Average:		0.0	4.7	0.0
<i>Vertical (12 second) Burn Test: Average Self-Extinguish time may not exceed 15 seconds. Average Burn Length may not exceed 8 inches. Average Dripping may not exceed 5 seconds after falling.</i>				
Comments:				
<input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed				
CERTIFICATION: I certify that after testing these specimens, the above results were obtained in accordance with the procedures and equipment specified by Code of Federal Regulations Title 14 Part 25, revised as of January 1, 2004 and the Aircraft Materials Fire test Handbook dated April, 2000.				
Jennifer Paluzzi -FAA DER		<i>Jennifer Paluzzi</i>		11/04/2014
WITNESS				DATE



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VERTICAL FLAMMABILITY TEST RESULTS		Skandia, Inc. WO # 275871-14		
14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)		Client PO CC		
Guetermann Polygal Mexicana SA Calle 9 Este No. 86 Fracc. Industrial Civac Jiutepec, Morelos Mexico . 62500 MX		Doc ID: 12NW-304781	Test Plan #	
		Rev	Project #	
		Technician	Jason Manning	
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION				
Make: Stock	Model: N/A	Serial: N/A	Tail: N/A	
Conditioning Room Data:	Date In: 07/07/2014	Time In: 09:15	Date Out: 07/09/2014	Time Out: 14:16
SPECIMEN MATERIALS				
Part No: Tera 40				
Guetermann Polygal Mexicana SA.: Thread, 278, 70 tex				
Set	Flame Application (seconds)	Flame Time (seconds)	Burn Length (inches)	Drip Flame Time (seconds)
1	12	0.0	9.6	0.0
2	12	0.0	7.8	0.0
3	12	0.0	2.9	0.0
Average:		0.0	6.8	0.0
Vertical (12 second) Burn Test: Average Self-Extinguish time may not exceed 15 seconds. Average Burn Length may not exceed 8 inches. Average Dripping may not exceed 5 seconds after falling.				
Comments:				
<input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed				
CERTIFICATION: I certify that after testing these specimens, the above results were obtained in accordance with the procedures and equipment specified by Code of Federal Regulations Title 14 Part 25, revised as of January 1, 2004 and the Aircraft Materials Fire test Handbook dated April, 2000.				
Jennifer Paluzzi -FAA DER				07/09/2014
WITNESS				DATE



VERTICAL FLAMMABILITY TEST RESULTS 14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)		Skandia, Inc. WO # 281461-14 Client PO			
Guetermann Polygal Mexicana SA Calle 9 Este No. 86 Fracc. Industrial Civac Jiutepec, Morelos Mexico . 62500 MX		Doc ID: 12NW-312803 Test Plan # Rev Project # Technician Ray Kortte			
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION					
Make: Stock		Model: N/A	Serial: N/A		Tail: N/A
Conditioning Room Data:		Date In: 10/31/2014 Time In: 09:45		Date Out: 11/03/2014 Time Out: 15:54	
SPECIMEN MATERIALS					
Part No: TERA 60 Gutermann Polygal Mexicana: Color 000, DTEX 500					
Set	Flame Application (seconds)	Flame Time (seconds)	Burn Length (inches)	Drip Flame Time (seconds)	
1	12	0.0	3.5	0.0	
2	12	0.0	3.1	0.0	
3	12	0.0	3.2	0.0	
Average:		0.0	3.3	0.0	
<i>Vertical (12 second) Burn Test: Average Self-Extinguish time may not exceed 15 seconds. Average Burn Length may not exceed 8 inches. Average Dripping may not exceed 5 seconds after falling.</i>					
Comments:					
<input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed					
CERTIFICATION: I certify that after testing these specimens, the above results were obtained in accordance with the procedures and equipment specified by Code of Federal Regulations Title 14 Part 25, revised as of January 1, 2004 and the Aircraft Materials Fire test Handbook dated April, 2000.					
Jennifer Paluzzi -FAA DER		<i>Jennifer Paluzzi</i>		11/03/2014	
WITNESS				DATE	



SKANDIA

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VERTICAL FLAMMABILITY TEST RESULTS 14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)		Skandia, Inc. WO # 251322-13 Client PO		
Guetermann Polygal Mexicana SA Calle 9 Este No. 86 Fracc. Industrial Civac Jiutepec, Morelos Mexico . 62500 MX		Doc ID: 12NW-273177	Test Plan #	
		Rev	Technician Eslora Liza	
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION				
Make: Boeing	Model: 707 thru 767	Serial: N/A	Tail: N/A	
Conditioning Room Data: Date In: 01/23/2013 Time In: 13:00 Date Out: 01/28/2013 Time Out: 12:38				
SPECIMEN MATERIALS				
Part No: 8637 Articulo: Thread, Calora 20, Tex 135, 500m				
Lot No 24				
Set	Flame Application (seconds)	Flame Time (seconds)	Burn Length (inches)	Drip Flame Time (seconds)
1	12	0.0	3.4	0.0
2	12	0.0	3.4	0.0
3	12	0.0	3.3	0.0
Average:		0.0	3.4	0.0
<i>Vertical (12 second) Burn Test: Average Self-Extinguish time may not exceed 15 seconds. Average Burn Length may not exceed 8 inches. Average Dripping may not exceed 5 seconds after falling.</i>				
Comments:				
<input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed				
CERTIFICATION: I certify that after testing these specimens, the above results were obtained in accordance with the procedures and equipment specified by Code of Federal Regulations Title 14 Part 25, revised as of January 1, 2004 and the Aircraft Materials Fire test Handbook dated April, 2000.				
Jennifer Paluzzi -FAA DER		<i>Jennifer Paluzzi</i>		01/28/2013
WITNESS				DATE



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VERTICAL FLAMMABILITY TEST RESULTS 14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)		Skandia, Inc. WO # 251322-13 Client PO		
Guetermann Polygal Mexicana SA Calle 9 Este No. 86 Fracc. Industrial Civac Jiutepec, Morelos Mexico . 62500 MX		Doc ID: 12NW-273178 Test Plan # Rev Technician Eslora Liza		
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION				
Make: Boeing	Model: 707 thru 767	Serial: N/A	Tail: N/A	
Conditioning Room Data: Date In: 01/23/2013 Time In: 13:00		Date Out: 01/28/2013 Time Out: 13:17		
SPECIMEN MATERIALS				
Part No: 7199 Articulo: Thread, Calora 40, Tex 70, 4000m Lot No 845980				
Set	Flame Application (seconds)	Flame Time (seconds)	Burn Length (inches)	Drip Flame Time (seconds)
1	12	0.0	3.5	0.0
2	12	0.0	1.8	0.0
3	12	0.0	1.9	0.0
Average:		0.0	2.4	0.0
<i>Vertical (12 second) Burn Test: Average Self-Extinguish time may not exceed 15 seconds. Average Burn Length may not exceed 8 inches. Average Dripping may not exceed 5 seconds after falling.</i>				
Comments:				
<input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed				
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Jennifer Paluzzi -FAA DER		<i>Jennifer Paluzzi</i>		01/28/2013
WITNESS				DATE



VERTICAL FLAMMABILITY TEST RESULTS 14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)			Skandia, Inc. WO # 281461-14 Client PO		
Guetermann Polygal Mexicana SA Calle 9 Este No. 86 Fracc. Industrial Civac Jiutepec, Morelos Mexico . 62500 MX			Doc ID: 12NW-312805 Test Plan # Rev Project # Technician Ray Korte		
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION					
Make: Stock		Model: N/A	Serial: N/A		Tail: N/A
Conditioning Room Data:		Date In: 10/31/2014 Time In: 09:45	Date Out: 11/04/2014 Time Out: 09:28		
SPECIMEN MATERIALS					
Part No: Zwibond 13 Guetermann Polygal Mexicana: Color 000, DTEX 2300					
Set	Flame Application (seconds)	Flame Time (seconds)	Burn Length (inches)	Drip Flame Time (seconds)	
1	12	0.0	2.2	0.0	
2	12	0.0	2.5	0.0	
3	12	0.0	3.1	0.0	
Average:		0.0	2.6	0.0	
<i>Vertical (12 second) Burn Test: Average Self-Extinguish time may not exceed 15 seconds. Average Burn Length may not exceed 8 inches. Average Dripping may not exceed 5 seconds after falling.</i>					
Comments:					
<input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed					
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Jennifer Paluzzi -FAA DER			11/03/2014		
WITNESS			DATE		

Flammability Material Test Certificate Bunsen Burner Test Data Sheet



Design Organization Approval
EASA.21J.019

Test Laboratory
HAM TQ/M-C

Test Number
1858/2012

Material Description
performance sewing yarn - tradenames: Calora, Tera, Mara, E

Composition
100% Polyester

Application
on fabric

Manufacturer
Gütemann/ Conventien/Air

Customer/Specification

Weight

Article Number
Calora, Tera, Mara E Serie 5 + 7

Batch Number

Test Method CS/JAR/FAR 25.853

Ignition Time For Details refer to applicable Part of App. F

Ignition Time	Material Definitions	Flame Extinguishing	Burn Length	Drip Extinguishing	Burn Rate	Flame Penetration	After Glow
<input type="checkbox"/> 1. 60 sec Ignition Vertical Test	Interior Panels; Galleys	15 sec	6 inches (152 mm)	3 sec			
<input checked="" type="checkbox"/> 2. 12 sec Ignition Vertical Test	Floor Coverings; Textils; Decorative Parts; Galley Furnishings; Cushions; Electrical Conduits; Insulations; Ducts; Cargo Liners	15 sec	8 inches (203 mm)	5 sec			
<input type="checkbox"/> 3. 15 sec Ignition Horizontal Test 2.5 inch/min	Clear Windows; Signs; lighted instrument				2.5 inch/min		
<input type="checkbox"/> 4. 15 sec Ignition Horizontal Test 4 inch/min	Small Parts; Knobs; Clips; Electrical Parts, etc.				4 inch/min		10 sec
<input type="checkbox"/> 5. 30 sec Ignition - 45 Degree	Cargo Liners; B + E	15 sec					
<input type="checkbox"/> 6. 30 sec Ignition - 60 Degree	Elec. Sys. Components, Insulations of elec. wires	30 sec	3 inches (76,2 mm)	3 sec			
<input type="checkbox"/> 7. Blanket Test	Passenger Blanket	15 sec		3 sec			

Test Results

Sample Number	Flame Extinguishing	Burn Length	Drip Extinguishing	Burn Rate	Flame Penetration	After Glow	Test Direction
1.	20 sec	120 mm	no drip	inch/min			Lay or Weft/Fill
2.	13 sec	90 mm	no drip	inch/min			Lay or Weft/Fill
3.	12 sec	90 mm	no drip	inch/min			Lay or Weft/Fill
Average	15 sec	100 mm	no drip	inch/min			Lay or Weft/Fill
1.	sec	mm		inch/min			Warp
2.	sec	mm		inch/min			Warp
3.	sec	mm		inch/min			Warp
Average	sec	mm		inch/min			Warp

Test Date : 20.03.2012
Tested by (Name, Stamp, Signature) : Darmwik
Witnessed by: (if present)

Pass Fail

Engineering/Work Order
Comments

<p>1</p> <p>HONG KONG, CHINA</p>	<p>2</p> <p>CERTIFICATE OF CONFORMITY</p>		<p>3</p> <p>Certificate Ref. No.</p> <p>1122173</p>			
<p>4</p> <p>Organisation Name and Address:</p> <p>Jamson Leung Company Limited Unit 14 & 15, Block B, 8/F, Merit Industrial Building, 94 To Kwa Wan Road, Kowloon, Hong Kong</p>						
<p>6</p> <p>Item</p> <p>1</p>	<p>7</p> <p>Description</p> <p>pillows</p>	<p>8</p> <p>Part No.</p> <p>MPNPI112371</p>	<p>9</p> <p>Eligibility*</p> <p>NA</p>	<p>10</p> <p>Qty</p> <p>1400</p>	<p>11</p> <p>Serial/Batch No.</p> <p>SK1122173</p>	<p>12</p> <p>Status/Work</p> <p>manufacture</p>
<p>13</p> <p>Remarks</p> <p>Qty</p>						
<p>14</p> <p>Certifies that the item(s) identified above was (were) manufactured in conformity to:</p> <p><input checked="" type="checkbox"/> approved design data and are in condition for safe operation</p> <p><input type="checkbox"/> non-approved design data specified in Block 13</p> <p>19 <input type="checkbox"/> HKAR-145.50 Release to Service <input type="checkbox"/> Other regulation specified in Block 13</p> <p>Certifies that unless otherwise specified in Block 13 the work identified in Block 12 and described in Block 13, was accomplished in accordance with HKAR-145 and in respect to that work the item(s) is (are) considered ready for release to service.</p> <p>(See reverse side)</p>						
<p>15</p> <p>Approved Inspector Signature</p> <p><i>Bobby C K Yeung</i></p>	<p>16</p> <p>Authorisation Reference Number</p> <p>QA 01</p>	<p>20</p> <p>Authorised Signature</p> <p><i>Bobby C K Yeung</i></p>	<p>21</p> <p>Approval Reference Number</p>			
<p>17</p> <p>Name</p> <p>Bobby C K Yeung</p>	<p>18</p> <p>Date (dd/mm/yyyy)</p> <p>23-12-2011</p>	<p>22</p> <p>Name</p>	<p>23</p> <p>Date (dd/mm/yyyy)</p> <p>23-12-2011</p>			

Jamson C of C

*Installer must cross-check eligibility with applicable technical data