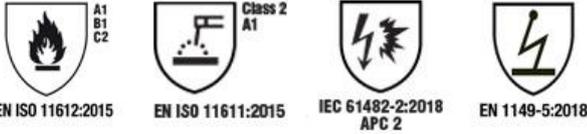


**PACAYA – softshell Jacket**

<p><b>Description</b></p>	<ul style="list-style-type: none"> <li>• 1 chest pocket closed with zip,</li> <li>• 2 wide front pockets with velcro,</li> <li>• elasticated cuffs,</li> <li>• elongated back bottom to protect the back during bendings,</li> <li>• pictogram embroidery on the front bottom,</li> <li>• radio loop,</li> <li>• recommendable in ATEX environments,</li> <li>• reflex inserts,</li> <li>• SOFTSHELL jacket with pile internal part,</li> <li>• YKK<sup>®</sup> zip,</li> <li>• “ATEX” embroidery on the right sleeve</li> </ul>		
<p><b>Maintenance</b></p>	<p>Maximum wash temperature: 40 °C; Do not bleach; Do not dry in a tumble dryer; Drying in the shade; Do not iron; Do not dry clean;</p>  <div style="background-color: yellow; padding: 5px; margin-top: 10px;">  <b>WARNING: DO NOT IRON THE REFLEX INSERTS!</b> </div>	<p><b>Item</b></p>	<p>V612-0-01 Navy</p>
<p><b>Standards EN ISO 13688:2013</b></p>  		<p><b>Sizes</b></p>	<p>S-4XL</p>

**SAFETY TECHNICAL SPECIFICATIONS**

	<i>Test method</i>	<i>description</i>	<i>Cofra result</i>	<i>Minimum requirement / range</i>
<p><b>Background fabric</b></p>	<p>EN ISO 1833-1977, SECTION 10</p>	<p>Composition:</p>	<p>SOFTSHELL 100% polyester + COFRA-TEX membrane + fleece 60% Modacrylic 39% Cotton 1% Carbon</p>	
	<p>EN ISO 12127:1996</p>	<p>Fabric mass per unit area</p>	<p>350 g/m<sup>2</sup></p>	

EN ISO 11612:2015 6.2 (ISO 17493)	Heat resistance 180°C - after Pre-Treatment (5 washes EN ISO 6330-4N /40°C)	PASS  Max shrink -4.3%	- No layer can ignite. - No layer can melt. - No layer shrinks more than 5%
EN ISO 11612:2015 6.3.2 (ISO 15025: Method A)	Equipment for determination of limited flame spread – As received	LEVEL ACCORDING PASS A1	No Flaming to top or either side edge No Hole formation No Melting
EN ISO 11612:2015 6.3.2 (ISO 15025 Method A)	Equipment for determination of limited flame spread – after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	LEVEL ACCORDING PASS A1	Afterglow time ≤2 s After flame time ≤ 2
EN ISO 11612:2015 6.4 (ISO 5077)	Determination of dimensional change tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	Warp -1.0% Weft 0,0%	±3%
EN ISO 11612:2015 6.5.1 (EN ISO 13934-1)	Tensile strength tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	Warp : 1300 N Weft: 1200 N	≥ 300N
EN ISO 11612:2015 6.5.2 (EN ISO 13937-2)	Tear strength tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	Warp : 140 N Weft : 130 N	≥ 10N
EN ISO 11612:2015 7.2 (ISO 9151)	Convective heat (Code letter B) tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	Specimen HTI <sub>24</sub> 1 9.4 s 2 9.4 s 3 9.9 s  LEVEL B1	Level HTI <sub>24</sub> B1 ≥ 4.0s B2 ≥ 10.0s B3 ≥ 20.0s
EN ISO 11612:2015 7.3 (EN ISO 6942: 2004 Method B a 20kW/m <sup>2</sup> )	Radiant heat (Code letter C) tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	Specimen RHTI <sub>24</sub> 1 24.3 s 2 24.5 s 3 23.9 s  LEVEL C2	Level RHTI <sub>24</sub> C1 ≥ 7.0s C2 ≥ 20.0s C3 ≥ 50.0s C4 ≥ 95.0s
EN ISO 11611:2015 6.8 (ISO 9150)	Impact of spatter tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	CLASS 2 >45 drops of molten metal	Class 1 15 drops of molten metal Temperature increase of 40 K  Class 2 25 drops of molten metal Temperature increase of 40 K
EN ISO 11611:2015 6.9 (ISO 6942)	Determination of the transmission of radiant heat tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	CLASS 2 RHTI <sub>24</sub> 24.2s	Class 1: RHTI <sub>24</sub> ≥ 7s Class 2: RHTI <sub>24</sub> ≥ 16s
EN ISO 11611:2015 6.10 (EN 1149-2)	Vertical electrical resistance tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	R = 1.47 x 10 <sup>5</sup> Ω	R > 10 <sup>5</sup> Ω

EN 1149-5:2008  
4.2.1  
(EN 1149-3:2004)

Induction decay  
tested after Pre-Treatment  
5 cycles EN ISO 6330-4N (40°C)

$t_{50} < 0.01$  s  
S = 0.99

$t_{50} < 4$  s  
S > 0,2

EN 61482-1-2: 2015  
(IEC 61482-1-2: 2014)

Determination of arc protection class of material and clothing by using a constrained and directed arc (box test) tested after Pre-Treatment  
5 cycles EN ISO 6330-4N (40°C)

Class 2

**Box Test 7KA**  
- Burning time  $\leq 5$  s  
- No hole bigger than max. 5 mm. in any direction  
- No Melting through to the inside  
- No excess of the Stoll curve

EN 14325:2004  
4.4  
(EN 530)

Abrasion Resistance  
tested after Pre-Treatment  
5 cycles EN ISO 6330-4N (40°C)

Class 6  
>2000 cycles

Class	Number of cycles
6	>2 000
5	>1 500
4	>1 000
3	>500
2	>100
1	>10

EN 14325:2004  
4.7  
(EN ISO 9073-4)

Trapezoidal tear resistance  
tested after Pre-Treatment  
5 cycles EN ISO 6330-4N (40°C)

Class 5  
Weft: 119.24 N  
Warp: 120.41 N

Class	N
6	>150 N
5	>100 N
4	>60 N
3	>40 N
2	>20 N
1	>10 N

EN 14325:2004  
4.9  
(EN ISO 13934-1)

Tensile strength  
tested after Pre-Treatment  
5 cycles EN ISO 6330-4N (40°C)

Class 6  
Warp: 1200 N  
Weft: 1200 N

Class	N
6	1000 N
5	>500 N
4	>250 N
3	>100 N
2	>60 N
1	>30 N

EN 14325:2004  
4.10  
(EN ISO 6530)

Puncture resistance  
tested after Pre-Treatment  
5 cycles EN ISO 6330-4N (40°C)

Class 2  
43,91 N

Class	N
6	>250 N
4	>100 N
3	>50 N
2	>10 N
1	>5 N

EN 14325:2004  
4.12  
(EN ISO 6530)

Repellency by liquid chemicals  
tested after Pre-Treatment  
5 cycles EN ISO 6330-4N (40°C)

	Cl	Result	Class	Index of repellency
H <sub>2</sub> SO <sub>4</sub> (30%)	3	98,7%	3	>95%
NaOH (10%)	3	97.4%	2	>90%
o-Xylene	-	93.5%	1	>80%
Butan-1-ol	-	97.5%		

	<p>EN 14325:2004 4.13 (EN 368)</p>	<p>Penetration by liquid chemicals tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)</p>	<table border="1"> <thead> <tr> <th></th> <th>Cl</th> <th>Result</th> <th>Class</th> <th>Index of penetration</th> </tr> </thead> <tbody> <tr> <td>H<sub>2</sub>SO<sub>4</sub> (30%)</td> <td>3</td> <td>0.0%</td> <td>3</td> <td>&lt;1%</td> </tr> <tr> <td>NaOH (10%)</td> <td>3</td> <td>0.0%</td> <td>2</td> <td>&lt;5%</td> </tr> <tr> <td>o-Xylene</td> <td>-</td> <td>0.0%</td> <td>1</td> <td>&lt;10%</td> </tr> <tr> <td>Butan-1-ol</td> <td>1</td> <td>0.0%</td> <td></td> <td></td> </tr> </tbody> </table>			Cl	Result	Class	Index of penetration	H <sub>2</sub> SO <sub>4</sub> (30%)	3	0.0%	3	<1%	NaOH (10%)	3	0.0%	2	<5%	o-Xylene	-	0.0%	1	<10%	Butan-1-ol	1	0.0%		
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	<p>ISO 105-X12</p>	<p>Colour fastness to rubbing</p>	<p>dry: 4-5 <span style="float: right;">1 - 5</span></p>																										
	<p>ISO 105 E04</p>	<p>Colour fastness to perspiration Staining: diacetate cotton nylon polyester acrylic wool</p>	<p>Acidic Alkaline <span style="float: right;">1 - 5</span></p> <p>4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5</p>																										
	<p>ISO 105-C06</p>	<p>Colour fastness to Laundering at 40°C Staining: diacetate cotton nylon polyester acrylic wool</p>	<p><span style="float: right;">1 - 5</span></p> <p>4-5 4-5 4-5 4-5 4-5 4-5</p>																										
	<p>EN ISO 20471:2013 5.6.3 (EN 31092)</p>	<p>Measurement of the thermal resistance and water vapor R<sub>ct</sub> [m<sup>2</sup> K/W] R<sub>et</sub> [m<sup>2</sup> Pa/W]</p>	<p>R<sub>ct</sub> = 0.0576 m<sup>2</sup> K/W R<sub>et</sub> = 17.09 m<sup>2</sup> Pa/W IMT 0.20 <span style="float: right;">Water vapor permeability index IMT ≥ 0.15</span></p>																										
<p><b>Reflex</b> <b>YSL201HFR</b></p>	<p>EN ISO 20471:2013/A1:2016 6.1</p> <p>EN ISO 20471:2013/A1:2016 6.2</p> <p>EN 469:2005+A1:2006 B.3.1</p> <p>EN 469:2005+A1:2006 B.3.2</p>	<p>Retro reflective performance requirements of new material</p> <p>Requirements of retro reflective performance after tests for abrasion, flexion, folding at cold temperature, temperature variations, washing (50 cycles ISO 6330 / 60°C) and rain influence.</p> <p>Heat resistance T=180°C - as received - after Pre-Treatment 50 cycles ISO 6330/60°C</p> <p>Equipment for determination of limited flame spread – - as received - after Pre-Treatment 50 cycles ISO 6330/60°C</p>	<p>PASS</p> <p>PASS</p> <p>PASS PASS</p> <p>PASS</p>																										

<b>PACAYA</b>	IEC 61482-2:2018 5.4.1 (CEI EN 61482-1-2:2015)	Determination of arc protection class of material and clothing by using a constrained and directed arc (box test) tested after Pre-Treatment 5 cycles EN ISO 6330-4N (40°C)	PASS 7 KA APC2 (Class 2)	
	EN ISO 11612:2015 6.5.4 (EN ISO 13935-2)	Determination of maximum force to seam rupture using the grab method	460 N	≥ 225 N