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**Pioneer Fresh Inspiration** is driven by a great idea: the world needs new thoughts. With a resourceful and fresh approach to life, positive results are boundless.



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**Pioneer Special Inspiration** is driven by a great idea: we can always distinguish ourselves and reach outstanding results, even in our daily routines.



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**Pioneer Perfect Inspiration** is driven by a great idea: some moments deserve a special attention. When we involve ourselves fully, the result can be perfect.



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**Pioneer Distinct Inspiration** is driven by a great idea: when you seek perfection everything improves. We become more demanding, more aware and better prepared for the next challenge.



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**Pioneer Outstanding Inspiration** is driven by a great idea: even in a top position, excellence is a differentiating element. This is how distinction is achieved.



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**Pioneer Exclusive Inspiration** is driven by a great idea: the greatest projects deserve the best. If you always demand exclusivity, there is only one result: uniqueness.



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**Pioneer Shi Zen** is driven by a great idea: Nature and Mankind are one and the same think. Whenever we are in harmony with the surrounding environment everything flows better.

Whiteness CIE	ISO 11475	171	171	171	171	171	171	150
Opacity %	ISO 2471	92,0	94,0	96,0	96,0	97,0	97,0 (minimum)	94,0
Moisture %	ISO 287	4,0	4,0	4,0	4,5	4,5	5,4	4,0
Bendtsen Roughness ml/min	ISO 8791/2	200	160	140	140	120	150	200
Thickness μm	ISO 534	104	108	119	123	134	190	106
Bulk μm/g/m <sup>2</sup>	-	1,39	1,35	1,32	1,23	1,22	1,19	1,33
Certified	PEFC <sup>(1)</sup>		X	X	X	X		
Awarded by	Eco-label <sup>(2)</sup>	X	X	X	X	X		X
Certified	FSC <sup>(3)</sup>	X					X	X

Technical References - Targets only, without tolerances mentioned  
Basis weight g/m<sup>2</sup> - ISO 536

February 2014

#### Additional Information about grupo Portucel Soporcel Mills and Products:

Grupo Portucel Soporcel mills are chain-of-custody certified by APCER in accordance with PEFC ST 2001 (APCER/2007/CDR.0008).

Grupo Portucel Soporcel mills are chain-of-custody certified by Smartwood Program of the Rainforest Alliance in accordance with FSC-STD-40-004 (SW-COC-001829) and FSC-STD-40-005 (SW-CW-001829).

In accordance with the requirements of ISO 9706 standard

Elemental Chlorine Free (ECF)

Quality Standard ISO 9001

Environmental Standard ISO 14001

Occupational Health and Safety Standard OHSAS 18001

