Technical data sheet with Mid sole

Ref : **70810 S1P BIONIC FLEX**

CE Attestation N° : 0075/020/161/08/17/1266 **Extension code :** 03/08/17 **Revision date :** 20/04/2009

THE SOLE

	MTS	Norm
Resistance to shock Clear space in mm at impact	16.00	>14
Resistance to crushing Clear space in mm under 15000N of constraint	18.00	>14
Conformity of the staples	Yes	Yes
Sole width in mm	9.40	>4
Staple height in mm	3.40	>2.5
Resistance of tearing in kN/m	11.70	>8
Resistance to abrasion : density	1.05	>0.9
Resistance to abrasion : loss of volume (mm3)	15.00	<150
Hydrolysis (increase of the notch in mm after 150.000 flexions)	0.00	<6
Resistance to hydrocarbons (Increase in volume in %)	1.20	<12
Necessary force to perfore the sole (N)	1200	>=1100
Conformity of the sole	Yes	Yes
Conformity of the mid-sole dimensions	Yes	Yes
Antistatism : resistance to dry atm. (megaohms)	85	0.1<V<1000
Antistatism : resistance to humid atm. (megaohms)	19	0.1<V<1000
Heel shock absorber	36	>20
Resistance of the upper/sole adherence (N/mm)	4.50	>4
Slip resistance EN ISO 20345:A1 SRA Ceramic	0.43	>=0.32
Slip resistance EN ISO 20345:A1 SRB Steel	0.23	>=0.18

THE UPPER

			MTS	Norm
Colour	GRIS	*Thickness*	2 / 2.2	1.5
Material used			Microsuede 2 mm col gris L 140	
Resistance to tearing			Yes	>120
Permeability to water vapor (mg/cm2.h)			3.90	>0.8
Water vapor facor (mg/cm2)			45.00	>15
Leather acidity (pH)				
Time or the water to pass through in minutes				
Quantity of water absobed in % after 1h				
Difference index			0.00	<0.7

THE LINING OF THE FRONT PART

Material used	DOUBLURE ARTICO		
Thickness		1	0.8
Abrasion : testing in dry atmosphere		< 25600	25600
Abrasion : testing in humid atmosphere		< 12800	12800
Permeability to water vapor (mg/cm2.h)		88	>2
Water vapor factor (mg/cm2)		701	>20

THE INSOLE

	2.8	2
insert Anti-perforation composite		
Water absorption in %	80	>35
Water desorption in %	96	>40
Cycles needed to obtain the tearing of the surface	>400	400

THE SEWING THREAD 100 % Polyamide

THE LACES 100 % Polyester - Embout en Acetate de Cellulose

Sole specification :

Model specification :

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