

Technical data sheet with Mid sole

Ref : 16141 S3 POLAR OVERCAP FLEX

CE Attestation N°:

Extension code :

Revision date : 28/01/2005

<u>THE SOLE</u>			<u>THE UPPER</u>		
	MTS	Norm		MTS	Norm
Resistance to shock			<i>Colour</i> NOIR	<i>Thickness</i> 2.0/2.2	1.5
Clear space in mm at impact	15.00	>=14	Material used	Vachette sympatex	
Resistance to crushing			Resistance to tearing	Yes	>120
Clear space in mm under 15000N of constraint	15.50	>=14	Permeability to water vapor (mg/cm2.h)	6.00	>0.8
Conformity of the staples	Yes	Yes	Water vapor facor (mg/cm2)	58.60	>15
Sole width in mm	6.00	>4	Leather acidity (pH)	3.35	>3.2
Staple height in mm	6.00	>2	Time or the water to pass through in minutes	420	60
Resistance of tearing in kN/m	9.30	>8	Quantity of water absobed in % after 1h	5.00	<30
Resistance to abrasion : density	1.16	>0.9	Difference index	0.15	<0.7
Resistance to abrasion : loss of volume (mm3)	61.00	<150	<u>THE LINING OF THE FRONT PART</u>		
Hydrolysis (increase of the notch in mm after 150.000 flexions)	0.00	<6	Material used	Doublure Sympatex	
Resistance to hydrocarbons (Increase in volume in %)	0.00	<12	Thickness	1	0.8
Necessary force to perfore the sole (N)	1500	>=1100	Abrasion : testing in dry atmosphere	>25600	25600
Conformity of the sole	Yes	Yes	Abrasion : testing in humid atmosphere	>12800	12800
Conformity of the mid-sole dimensions	Yes	Yes	Permeability to water vapor (mg/cm2.h)	3.8	>2
Antistatism : resistance to dry atm. (megaohms)	600	0.1<V<1000	Water vapor factor (mg/cm2)	30.8	>20
Antistatism : resistance to humid atm. (megaohms)	60	0.1<V<1000	<u>THE INSOLE</u>		
Heel shock absorber	30	>20		2.8	2
Resistance of the upper/sole adherence (N/mm)	5.40	>4	insert Anti-perforation composite		
Slip resistance EN ISO 20345:A1 SRA Ceramic	0.52	>=0.32	Water absorption in %	80	>35
Slip resistance EN ISO 20345:A1 SRB Steel	0.30	>=0.18	Water desorption in %	96	>40
			Cycles needed to obtain the tearing of the surface	>400	400
			<u>THE SEWING THREAD</u> 100 % Polyamide		
			<u>THE LACES</u> 100 % Polyester - Embout en Acetate de Cellulose		

Sole specification :

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Model specification :