



# INSUFLEX

N / 3000 & 4000

## SBS MODIFIED BITUMEN MEMBRANE TORCH APPLY REINFORCED WITH NONWOVEN POLYESTER

**-20°C**

Specification			Units	Results	Method of Test
INSUFLEX series				N	
Dimensions	Thickness		mm	3&4 <sub>(± 0.2)</sub>	ASTM D-5147
	Length		m	10 <sub>(± 1%)</sub>	UNI 8202
	Width		m	1 <sub>(± 1%)</sub>	UNI 8202
	Carrier			Polyester	UNI 8202
Compound	R & B Softening point		°C	>120	ASTM D-36
	Penetration at	25°C	dm m	25	ASTM D-5
		60°C	dm m	100	ASTM D-5
Membrane	Tensile strength	Longitudinal	N/5cm	900	ASTM D-5147
		Transverse	N/5cm	800	ASTM D-5147
	Elongation	Longitudinal	%	60	ASTM D-5147
		Transverse	%	55	ASTM D-5147
	Tear resistance	Longitudinal	N	500	ASTM D-4073
		Transverse	N	400	ASTM D-4073
	Low temperature flexibility		°C	-20	ASTM D-5147
	High temperature stability		°C	≥100	ASTM D-5147
	Hot running test at 90 slope +90 C		mm	<1	UNI 8202
	Water absorption		%	2.0 (max)	ASTM D-570
	Permeability to water vapour		u	≥6000	UNI 8202
	Water tightness		KPa	≥60	EN 1928
	Static puncture resistance			PS4	UNI 8202
	Dynamic puncture resistance			PD4	UNI 8202
	Dimensional stability <small>after thermal action</small>		%	≤0.8	ASTM D-1204
	Aging Due to UV-Radiation		2000 hr	Pass the test	ASTM G-5377

**APPLICATION :** By gas torch or mechanical fastening.

**NB :** 1- The above products data is subject to technical updating without prior notice due to technological and research development pursued by INSUMAT.  
2- Increasing of mechanical properties for Polyester as tensile strength, elongation and tear resistance are available according to customer requirements.

**N:** Nonwoven Polyester.

