

**PLASTIFLEX GLSO/SL 2,20 mm**
**PVC SIGNAL LAYER MEMBRANE FOR TUNNELLING AND UNDERGROUND  
WATERPROOFING JOBS**
**DATA SHEETS**

TEST	SPECIFIC	UNIT	VALUE
Thickness	EN 1849-2	mm	2,20 ± 5%
Tensile strength	ISO 527-3	N/mm <sup>2</sup>	≥ 17
Elongation at break	ISO 527-3	%	≥ 300
Aeric mass	EN 1849-2	Kg/m <sup>2</sup>	3 ± 0.05
Resistance to impact	UNI EN 12691	mm	≥ 2200
Resistance to tearing	UNI EN 12310-2	N	≥ 240
Static puncture	EN ISO 12236	kN	≥ 4
Resistance to tearing	ISO 34-1 Method B;	kN/m	≥ 50
Peel resistance of joint	EN 12316-2	N/50 mm	≥ 400
Dimensional stability (Long. Trasv.)	EN 1107-02	%	± 1 %
Water permeability	UNI EN 14150	< 10 <sup>-6</sup> m <sup>3</sup> /m <sup>2</sup> /d	
Absorbability (7 days in water)	UNI EN ISO 62	%	≤ 1
Cold bending	EN 495-5	°C	≤ - 40
Water tightness (1 Mpa for 24 h)	UNI EN 1928	No dripping or water loss	
Resistance to oxidation UNI EN 14575-UNI EN ISO 527/3: 90 days at 85°C	Percentage of tensile strength retained	%	≥ 90
	Percentage of elongation at break retained		≥ 90
Resistance to acid solutions H <sub>2</sub> SO <sub>3</sub> : DIN 16726 5.18 (28 days at 23°C)	Change of tensile strength	%	≤ - 20
	Change of elongation at break		≤ - 20
	Folding at T of -20°C	No break or crack	
Resistance to salt solutions (NaCl): DIN 16726 5.18 (28 days at 23°C)	Change of tensile strength	%	≤ - 20
	Change of elongation at break		≤ - 20
	Folding at T of -20°C	No break or crack	
Resistance to Alkaline solution Ca(OH) <sub>2</sub> : DIN 16726 5.18 (23 days at 23°C)	Change of tensile strength	%	≤ - 20
	Change of elongation at break		≤ - 20
	Folding at T of -20°C	No break or crack	
Resistance to heat	General appearance	No visible changes	

DIN 16726 5.13	Dimensional stability (6h, 80°C)	%	≤ - 3
	Change of tensile strength(7 days, 80°C)		≤ - 10
	Change of elongation at break (7days,80°C)		≤ - 10
	Folding at T – 20°C	No break or crack	
Burst strength	DIN 61551	kPa,%	Stress ≥ 6000 kPa Strain ≥ 50 %
Fire resistance	UNI EN ISO 11925-2	Class	E
Root resistance	UNI CEI/TS 14416	Conform	
Shear resistance when applied with a bituminous	DIN 16726 5.10	N/50 mm	≥ 600
Compressive strength at 20% strain	UNI EN ISO 604	N/mm <sup>2</sup>	4,2
Product conform to the norm EN 13491 and EN 13967			
Color : black and white			

Thickness	Width	Length
1,0 - 3,5 mm	2,10 m	As request

