

DECLARATION OF PERFORMANCE

N.º 01-01

1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

NUMAPOL HDPE 0.5mm, 0.8mm, 1.0mm, 1.5mm, 2.0mm, 2.5mm & 3.0mm

2. INTENDED USES

Geosynthetic barrier in construction for reservoirs and dams
 Polymeric barrier in construction for canals
 Polymeric barrier in the construction of tunnels and underground structures
 Polymeric barrier in the construction of liquid and solid waste landfills
 Geosynthetic barrier in transport infrastructure

3. MANUFACTURER

Numa Industrial, S.A.U.
 C/ Andorra, nº 8, Polígono Industrial Mas Galí. 08503 – Gurb, Barcelona (Spain)

4. SYSTEMS OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE

System 2+

5. HARMONISED TECHNICAL SPECIFICATIONS

EN 13361: 2004; EN 13361:2004/A1:2006
 EN 13362: 2005
 EN 13491: 2004; EN 13491:2004/A1:2006
 EN 13492: 2004; EN 13492:2004/A1:2006
 EN 13493: 2005
 EN 15382: 2013

6. NOTIFIED BODY

AENOR nº 0099
 Assessment of Factory Production Control System 2+
 Factory Production Control Certificate: 0099/CPR/A86/0001,2006/06/01

7. DECLARED PERFORMANCE

Essential characteristics	Performance							Harmonised technical specifications
Thickness (mm)	0.50	0.80	1.00	1.50	2.00	2.50	3.00	EN 1849
Tensile strength	$\geq 32 \text{ N/mm}^2$							EN ISO 527:1
Static puncture resistance	1.4 kN +/- 15%	2.1 kN +/- 15%	2.8 kN +/- 15%	4.2 kN +/- 15%	5.6 kN +/- 15%	7.0 kN +/- 15%	8.4 kN +/- 15%	EN ISO 12236
Liquid tightness	$< 1 \times 10^{-6} \text{ m}^3/\text{m}^2 \cdot \text{day}$							EN 14150
Gas tightness	0.006 cc/m ² · day							ASTM D 1434
Weathering resistance	$\leq 25\%$ Variation in tensile strength $\leq 15\%$ Variation in elongation at break							EN 12224
Oxidation resistance	$\leq 15\%$ Variation in strength and elongation at break							EN 14575
OIT (Oxidation Induction Time)	$> 100 \text{ min}$							EN ISO 11357
Stress cracking in an active environment	$> 300 \text{ h}$							EN 14576

- The performance of the product identified above is in conformity with the declared performances.
- This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.
- Signed for and on behalf of the manufacturer by:

Sr. Ramon Altés Nieto, CEO



In Gurb, on 16/01/2026