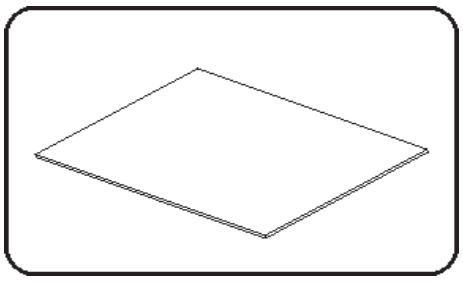
smooth HDPE liner
high density polyethylene

- Liner G / G
- smooth / smooth
- width: 5.0 m / 7.0 m
- calandered
- HDPE black



Code: 27.500 / 27.507

Properties	Test Method	Unit							
Width	-	m	5.0	5.0/ 7.0	5.0/ 7.0	5.0/ 7.0	5.0/ 7.0	5.0/ 7.0	5.0/ 7.0
Thickness (average)	EN ISO 9863-1	mm	≥ 0.5	≥ 0.75	≥ 1.0	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0
Thickness (single values)	EN ISO 9863-1	%	±10						
Density	EN ISO 1183	g/cm³	≥ 0.94						
Melt Flow Rate (190/ 5)	EN ISO 1133	g/ 10 min	0.4 - 3.0						
Dimensional stability									
(100°C/1h)	EN 1107-2	%	-	-	-	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0
(80°C/6h)	EN 1107-2	%	≤ 2.0	≤ 2.0	≤ 2.0	-	-	-	-
Tear resistance	EN ISO 34-1	N/mm	≥ 130	≥ 130	≥ 130	≥ 130	≥ 130	≥ 130	≥ 130
Tensile properties:									
Stress at Yield	EN ISO 527	N/mm²	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
Elongation at Yield	EN ISO 527	%	≥ 9	≥ 9	≥ 9	≥ 9	≥ 9	≥ 9	≥ 9
Elongation at Break	EN ISO 527	%	≥ 400	≥ 400	≥ 500	≥ 700	≥ 700	≥ 700	≥ 700
CBR - static puncture test	EN 12236	N		≥ 1500	≥ 2000	≥ 3500	≥ 4500	≥ 5500	≥ 7500
Foldability at low temperatures	EN 495-5	-20°C	no break	no break	no break	no break	no break	no break	no break
Water absorption	EN ISO 62	%	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1
Root resistance	OENORM S 2073	-	fulfilled*	fulfilled*	fulfilled*	fulfilled*	fulfilled*	fulfilled*	fulfilled*
Resistance to microorganism	OENORM S 2073	-	fulfilled*	fulfilled*	fulfilled*	fulfilled*	fulfilled*	fulfilled*	fulfilled*
Rodent resistance	OENORM S 2073	-	fulfilled*	fulfilled*	fulfilled*	fulfilled*	fulfilled*	fulfilled*	fulfilled*
NCTL/ ESCR-behaviour	EN 14576	h	> 340	> 340	> 340	> 340	> 340	> 340	> 340
Carbon black content	EN ISO 11358	%	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3

The data in this table are approximate values and based upon results of the internal inspection, data of raw material suppliers as well as tests in the course of approval procedures and external inspections. The results can differ slightly from the indicated mean values in longitudinal and transverse direction and due to different nominal thicknesses and raw materials. In any case requirements relating to a special project (tender documents) have to be agreed with AGRU. Independent of the indicated test standards, internal tests and data on test certificates are generally carried out in accordance with the appropriate test procedures according to OENORM/DIN /EN/ISO AGRU assumes no liability in connection with the use of this data. The specifications on this sheet are subject to change without notice.

* acc. OENORM S2073 liners made of polyolefins shall be considered resistant without proof being furnished.