

Datasheet

Gauris LDPE

0,5 mm

About GAURIS

Gauris is all about liners. We think about liners. We live liners. We make everything watertight using liners. And we do that very well. The proof? We receive requests from across the world. It is usually custom work, as no two contracts are the same. Whether it is a swimming pond, water tank, waste heap, roof construction, or a swimming pool – no two projects are the same. They always involve bespoke work and demanding requirements. For the composition of the liner. For the strength.

For the shape. For the use and the required lifespan. For the appearance. For the colour. And for the way in which the liners are 'welded' to each other. After all, a liner is much more than just plastic on a roll. Much more.

Certified Quality

Besides various Certificates as KIWA, we are committed to quality and continuous improvement.

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0,5 mm

LDPE is quite soft and tough. It is water-resistant, has a good insulator (heat, electricity) and has good impact resistance. Petroleum is used to produce LDPE. It is resistant to bases and acids. Some solvents cause LDPE to swell. It can withstand constant temperatures up to 80 °C and temperatures up to 95 °C for a short time.

Properties	Unit	Method	Nominal values
Nominal thickness	mm	-	0,50
Average thickness tolerance vs. nominal	%	ISO 4593	±5%
Point to point thickness tolerance vs. nominal	%	ISO 4593	± 15%
Width tolerance vs. nominal	%	ISO 4593	0; +4
Tensile stress at break	MPa	EN 527-3	≥16
Tensile strain at break	%	EN 527-3	≥ 400
Impact resistance (dart drop test) flat	cN	ISO 7765-1 Method A	≥ 700
Impact resistance (dart drop test) fold	cN	ISO 7765-1 Method A	≥ 600
Trouser tear test	N	ISO 6383-1	≥ 80
Perforation resistance spherical head	N	-	≥ 150
Perforation resistance pointed head	N	-	≥ 15