

PERAMIT® LSW-X

PERAMIT® LSW-X High-Tech for strong Leather

At Pulcra, we have further improved our benchmark product for high tear resistance in leather. The new product, **PERAMIT® LSW-X**, uses **innovative extended technology** and combines it with high-end lubrication. The key advantage of the extension is that the lubricating molecule is now about twice as long as in conventional chemistry, which at the same time increases the uniformity of distribution. This results in significantly less friction between the fibers, improving not only **tear strength** but also **tensile strength**.

The extended technology also makes it possible to produce the product in the form of a fully **pumpable microemulsion**, which brings important advantages in terms of product handling and stability.

The result is a remarkable **improvement in tear strength of between 15 and 30% and a simultaneous improvement in tensile strength of about 20%**. The product has a superior emulsion capacity, contributing to the production of leather with better uniformity. Other advantages include **very low emissions** and **excellent heat and light fastness**.

eco logical 

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Pulcra Chemicals
The solution specialist

The improvement of tensile strength and tear resistance is closely related to the sustainability of leather. Increased mechanical strength improves the service life of a leather article. The likelihood of the leather cracking or breaking during the manufacture of the end product and during wear is reduced. In addition, the leather can be split thinner, which reduces its weight. When used in the production of automotive leathers, the CO₂ balance is thus improved.

We recommend the use of 2-3% PERAMIT® LSW-X during neutralization of wet-blue or wet-white. Performance is further enhanced by proper fatliquoring already in pickle/tanning with, e.g. PELLAN® GMS, which provides internal lubrication throughout the hides. This results in a more uniform and mechanically stable leathers. Our range of high-quality lubricating products in the main fatliquoring guarantees excellent internal lubrication leading to even better tear resistance.

Please contact your local Pulcra technician to learn more about the effects of process parameters on tear strength.

		BLANK	PERAMIT® LSW-X
Stich tear strength	N	101	117
Tear strength	N	37	42
Tensile strength	N	214	278
Elongation	%	31	40