



MAGNOPAL®

Looking for high fastness performance?

» The most comprehensive wet end polymer range



TFL – Great chemicals. Excellent advice.

MAGNOPAL®



High performance polymers



Polymers are indispensable in retanning

TFL has become a prominent force driving innovation in the global leather industry. Their MAGNOPAL® brand of high-performance polymers is widely recognized for its exceptional quality and versatility. This comprehensive range caters to virtually every leather type imaginable, from the standard shoe upper to the cutting-edge realm of automotive and technical leathers, including waterproof.

TFL's commitment extends beyond their internal creations. Their strategic global collaboration and distribution agreement with Dow allows TFL to seamlessly integrate LEUKOTAN™ products into their offerings, providing the natural leather industry with an unmatched selection of polymer solutions.

The real power of MAGNOPAL® and LEUKOTAN™ polymers lies in the many benefits they offer. These innovative materials offer high performance and remarkable resistance to light, heat, and migration. This can translate into exceptional durability for the final leather articles ensuring they retain their beauty and functionality for years to come.

Furthermore, TFL are continually adding to the range increasingly environmentally friendly and sustainable polymers with no compromise regarding high performance. By minimizing emissions like fogging, VOCs (volatile organic compounds),

and odors, they contribute to a cleaner and healthier production process. Furthermore, their high exhaustion and fixation rates lead to a significant reduction in pollutants within wastewater effluents, minimizing the industry's environmental impact.

One of the most distinctive features of these polymers is their lack of inherent color. This characteristic makes them ideal for creating pristine white leathers and opens the door to a vast spectrum of color possibilities. From delicate pastels to vibrant and bold hues, MAGNOPAL® and LEUKOTAN™ polymers allow leather manufacturers to achieve the widest range of leather colours. TFL's comprehensive polymer range caters to virtually every conceivable need, from tight, full-bodied leather to low-density, soft and types for casual wear, and even waterproof for footwear and outdoor gear. With their innovative MAGNOPAL® polymers and strategic partnerships, TFL offers a comprehensive solution for leather manufacturers seeking exceptional performance, environmental responsibility, and unparalleled creative freedom. By empowering manufacturers to produce a vast array of leather types with superior durability and a breathtaking range of colors and textures, TFL is truly shaping the future of leather.

TFL's selected wet end polymer range

	Product name	Main focus	Tightness	Softness	Fullness	Milling	Waterproof suitability	Bio-content (%)
Industry standard	MAGNOPAL® PGN	Copolymer with very good tightness and good fullness for softer leathers with uniform milling pattern	4	3	3	5	5	0
	MAGNOPAL® RHN	Ideal for tight, non-plumped full-grain and corrected leather, nubuck and softy upper. "Rubbery" handle	4	3	2	4	5	0
	BAYTIGAN® AR	Extremely tight and full without hardening, ideal for both wet blue and wet white with a high dye yield	5	2	5	3	5	0
	LEUKOTAN™ 1084	Tight and medium soft polymer for general use on wet-blue, specially automotive leather	4	3	3	4	4	0
	LEUKOTAN™ 1093	Extremely tight and firm polymer with good dye value, ideal for heavy weight wet-blue tight and firm leather in general	5	1	2	2	5	0
Specialties	MAGNOPAL® SFT-F	Copolymer for tight grain milled leather with good print retention, mostly used after fatliquor	4	4	3	5	4	0
	MAGNOPAL® TGR	Unique amphoteric polymer for all leather types, improves tightness, dye build up, exhaustion and fixation	4	1	3	2	3	0
	MAGNOPAL® IPF	High filling, non-bleaching, brilliant dyeing ideal for light-weight leather and improves physical performance	3	3	4	4	5	0
	MAGNOPAL® HS	Special whitening effect, non-bleaching, brilliant dyeing ideal for light-weight leather and improves physical performance	3	3	3	4	2	0
	MAGNOPAL® DP	Soft dispersing polymer ideal also for waterproof, excellent milling good tightening vs. traditional dispersing agents	3	3	3	4	4	0
	LEUKOTAN™ 8090	High solids content, low molecular weight and extremely soft polymer with good penetration and dispersibility	3	5	3	4	4	0
Biopolymers	MAGNOPAL® Pure A	Very good tightness, flat non-plumping, with good dye build up, for all leather types. Good buffing.	5	2	2	3	4	93
	MAGNOPAL® Pure B	Acrylic fastness performance from biogenic based polymer, extremely tight with very good fullness and good softness	4	3	4	3	4	71
Tanning	LEVOTAN® RP	Good tanning / fiber separation with "bounce". Excellent milling and soft. "Syntan-like" behaviour with level dyeing	3	4	2	5	5	0
	LEVOTAN® AT	Good tanning / fiber separation with plumping. Excellent fullness, softness and milling. Can make tight or "pebble grain"	2	5	5	5	2	0

Key: 1 = low, 5 = high

