ABRSION-RESISTANT POLYURETHANE LINERS

TECHNICAL SPECIFICATIONS KRYPTANE® YELLOW 59° SHORE A

	Unit	Value
Mechanical properties		
Hardness shore A (+/-5°)	°	59°
100% elasticity modulus	N/mm²	2.76
300% elasticity modulus	N/mm²	4.88
500% elasticity modulus	N/mm²	13.42
Tensile strength (break)	N/mm²	33.54
Angle tear strength (break)	N/m	28.02
Trouser tear strength (break)	N/m	7.68
Elongation	%	800
Elasticity	%	77
Compression set	%	53
Abrasion loss Din 53516	mm³	48
Density	kg/dm³	1.21
Coefficient of friction dry		0.34
Temperature resistance		
Max. operating temperature	°C.	80°
Min. operating temperature	°C.	-40°
Combustion temperature	°C.	430°
Flashpoint	none	
Melting point	°C.	200°
Chemical properties		
Good resistance to low concentrations of acid and lye, food additives, fats, formwork oil		
Electrical resistance - Flame-retardant - Food quality FDA		
Static electricity - miniscule / Flame-retardant ISO 340 - no / Food quality FDA - yes		
Various polyurethane test rigs		

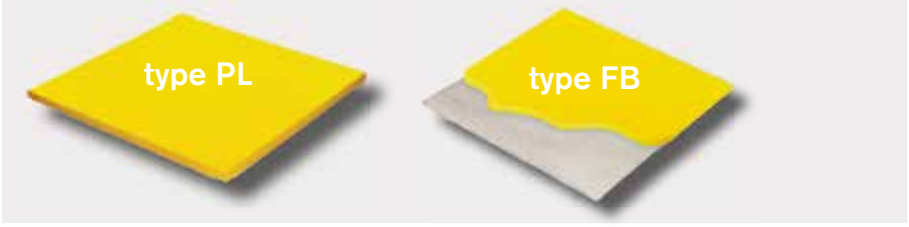

Tensile strength


Angle tear strength


Trouser tear strength


Resilience/Rebound


Abrasion



KRYPTANE®

FDA APPROVED

KRYPTANE®

YELLOW 59° SHORE A ESTER POLYURETHANE

Exceptionally elastic polyurethane liner with an unusually high resistance against impact and shock of broken products up to 50 mm. The service life of this polyurethane liner is much higher than the highest-quality rubber liners. Once the correct thickness is applied (depending on the fall height & product size), the kinetic energy of the falling product will be reflected before the tear limit is reached. This due to the extremely high compression set of 53%. The product will bounce and roll with a limited wear and tear.

Available from stock in standard sheet dimensions 3050x1220 mm

- Type PL in 6, 8, 10, 12, 18, 25 and 30-mm-thick PU (Type PL = without carrier, full PU)
- Type FB 12, 18, 25 and 30-mm-thick PU (Type FB = approx 1.5-mm-fabric layer for adhesive fixing) (total thickness including carrier 13.5, 19.5, 26.5 and 31.5 mm) (Tolerance at a polyurethane thickness of +/-1.3 mm)

Advantages

- extreme abrasion resistance
- high oil and grease resistance
- highest possible split-tear resistance
- highly noise-attenuating
- no moisture absorption
- almost adhesion-free
- very suitable for direct impact

Applications

Hoppers, product overshoot area's after sieving installation, tip-over chutes, product overshoot areas of conveyor belts, outlets of washing drums and skirting and spillage control for conveyor belts, etc.

MBS conveyor belts 24/7