



RED 90° SHORE A ETHER POLYURETHANE

Resistant to sliding and/or impact wear with fine product up to 5 mm lump size, in both wet and dry conditions. With its very low coefficient of friction, the product does not adhere and flows through well. This quality also offers extremely good hydrolysis resistance.

TECHNICAL SPECIFICATIONS KRYPTANE® RED 90° SHORE

	Unit	Value
Mechanical properties		
Hardness shore A (+/-5°)	°	90°
100% elasticity modulus	N/mm ²	8.38
300% elasticity modulus	N/mm ²	16.45
500% elasticity modulus	N/mm ²	28.20
Tensile strength (break)	N/mm ²	31.75
Angle tear strength (break)	N/m	52.54
Trouser tear strength (break)	N/m	14.35
Elongation	%	450
Elasticity	%	65
Compression set	%	21
Abrasion loss Din 53516	mm ³	30
Density	kg/dm ³	1.05
Coefficient of friction dry		0.19
Temperature resistance		
Max. operating temperature	°C.	90°
Min. operating temperature	°C.	-40°
Combustion temperature	°C.	430°
Flashpoint	none	
Melting point	°C.	200°
Chemical properties		
Good resistance to low acid concentrations and lye, food additives, fats, formwork oil, ozone and UV		
Electrical resistance - Flame-retardant - Food quality FDA		
Static electricity - miniscule / Flame-retardant ISO 340 - yes / Food quality FDA - yes		
Various polyurethane test rigs		



Tensile strength



Angle tear strength



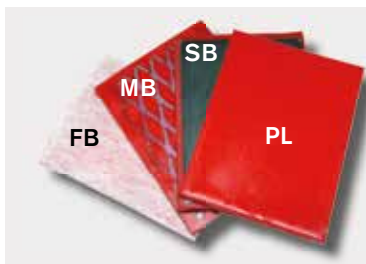
Trouser tear strength



Resilience/Rebound



Abrasion



Kryptane polyurethane carrier

- Type PL without carrier, full PU
- Type FB approx 1.5-mm-thick fabric layer for adhesive fixing
- Type MB approx 1.5-mm-thick integrated stretched metal for fixing with bolts
- Type SB approx 2-mm full solid steel base

Available from stock in standard sheet dimensions 3050 x 1220 mm

- Type PL in 10-mm-thick PU
- Type FB in 8 and 12-mm-thick PU (total thickness incl carrier 9.5 and 13.5 mm)
- Type MB in 8 and 10-mm-thick PU (Tolerance at a polyurethane thickness of +/-1.3 mm)

Advantages

- extreme abrasion-resistance
- highly noise attenuating
- almost adhesion-free
- no moisture absorption
- food quality (FDA)

Applications

Slurry pump impellers, sand screw conveyors (classifier shoes), conveyor belt supports, cyclones, elbows in pneumatic & hydraulic conveyor systems, washing systems, dump boxes and filter systems, etc.



Not binding, subject to change. Version 2017 / 1.1