



## RED 80° SHORE A ETHER POLYURETHANE

Polyurethane liner resistant to sliding and impact wear with fine product up to 5 mm, 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 80° SHORE A

	Unit	Value
<b>Mechanical properties</b>		
Hardness shore A (+/-5°)	°	80°
100% elasticity modulus	N/mm <sup>2</sup>	4.48
300% elasticity modulus	N/mm <sup>2</sup>	8.51
500% elasticity modulus	N/mm <sup>2</sup>	19.64
Tensile strength (break)	N/mm <sup>2</sup>	31.03
Angle tear strength (break)	N/m	40.79
Trouser tear strength (break)	N/m	20.34
Elongation	%	650
Elasticity	%	77
Compression set	%	23
Abrasion loss Din 53516	mm <sup>3</sup>	30
Density	kg/dm <sup>3</sup>	1.05
Coefficient of friction dry		0.27
<b>Temperature resistance</b>		
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 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 - no / Food quality FDA - yes

#### Various polyurethane test rigs



Tensile strength



Angle tear strength



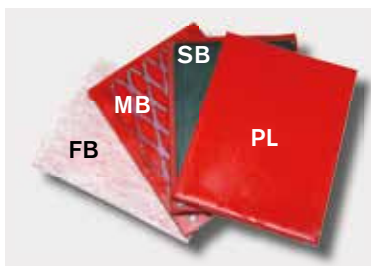
Trouser tear strength



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 6, 8, 10 and 12-mm-thick PU (Type PL = without carrier, full PU)
- Type MB 12-mm-thick PU (Type MB = approx 1.5-mm-thick integrated stretched metal for fixing with bolts) (Tolerance at a polyurethane thickness of +/-1.3 mm)

#### Advantages

- extreme abrasion-resistance
- highly noise attenuating
- almost adhesion-free
- extremely good hydrolysis resistance
- food quality (FDA)

#### Applications

Slurry pump impellers, sand screw conveyors (classifier shoes), conveyor belt supports, cyclones, pipework systems, sandblasting cab liner, washing systems, dumping box and filter systems, etc.



Not binding, subject to change. Version 2017 / 1.1