

BLUE 85° SHORE A ETHER POLYURETHANE

High-quality polyurethane liner that is extremely suitable for agricultural applications in which fine product is processed with light to medium wear. Blue-Ox[®] can be used in almost all applications in the grain processing industry.

TECHNICAL SPECIFICATIONS BLUE-OX[®] BLUE 85° SHORE A

	Unit	Value
Mechanical properties		
Hardness shore A (+/-5°)	°	85°
100% elasticity modulus	N/mm ²	4.34
300% elasticity modulus	N/mm ²	8.25
500% elasticity modulus	N/mm ²	17.71
Tensile strength (break)	N/mm ²	22.55
Angle tear strength (break)	N/m	35.35
Trouser tear strength (break)	N/m	17.63
Elongation	%	675
Elasticity	%	25
Compression set	%	32
Abrasion loss Din 53516	mm ³	55
Density	kg/dm ³	1.20
Coefficient of friction dry		0.27
Temperature resistance		
Max. operating temperature	°C.	80°
Min. operating temperature	°C.	-30°
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 - none / Flame-retardant ISO 340 - yes / Food quality FDA - yes

Various polyurethane test rigs



Tensile strength



Angle tear strength



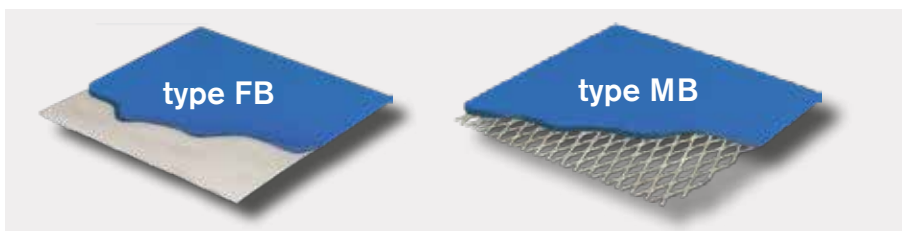
Trouser tear strength



Resilience/Rebound



Abrasion



Available from stock in standard sheet dimensions 3050 x 1220 mm

- Type FB in 8-mm-thick PU (Type FB approx 1.5-mm-thick fabric layer for adhesive fixing) (total thickness incl carrier 9.5 mm)
- Type MB 6.5 and 8-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

- good abrasion-resistance
- non-adhesive, no moisture absorption
- suitable for very wet applications
- food quality (FDA)
- good resistance to low acid concentrations and lye, food additives and fats, many solvents and chemicals
- good product through flow

Applications

Distribution flaps, weighing bunkers, silos, chutes, elevators, etc.



Not binding, subject to change. Version 2017 / 1.1



muller|beltex