



ORANGE 83° SHORE A ESTER POLYURETHANE FLAME-RETARDANT ISO 340

High-resistance polyurethane liner against strong sliding, cutting and impact wear with the highest possible split-tear resistance combined with great elasticity and abrasion-resistance for rough product up to 50 mm lump size. This version does not absorb moisture and is therefore almost adhesion-free and guarantees good product through flow. This quality is also flame-retardant in accordance with ISO 340.

TECHNICAL SPECIFICATIONS KRYPTANE ORANGE® 83° SHORE A

	Unit	Value
Mechanical properties		
Hardness shore A (+/-5°)	°	83°
100% elasticity modulus	N/mm ²	5.52
300% elasticity modulus	N/mm ²	8.72
500% elasticity modulus	N/mm ²	23.53
Tensile strength (break)	N/mm ²	45.51
Angle tear strength (break)	N/m	50.84
Trouser tear strength (break)	N/m	28.25
Elongation	%	600
Elasticity	%	53
Compression set	%	32
Abrasion loss Din 53516	mm ³	43
Density	kg/dm ³	1.21
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



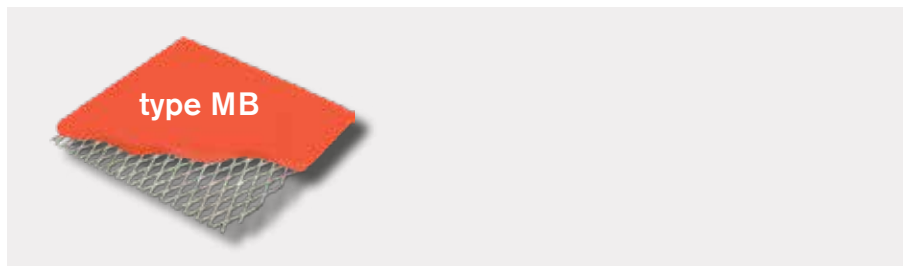
Trouser tear strength



Resilience/Rebound



Abrasion



Available from stock in standard sheet dimensions 3050 x 1220 mm

- Type MB 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

- extreme abrasion-resistance
- no moisture absorption
- highly noise attenuating
- almost adhesion-free
- excellent product through flow
- extremely long service life
- flame-retardant ISO 340

Applications

Weighing bunkers, silos, chutes, elevators, hoppers etc.



Not binding, subject to change. Version 2017 / 1.1