



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 - miniscule / Flame-retardant ISO 340 - yes / Food quality FDA - yes | | |
| Various polyurethane test rigs | | |



Tensile strength



Angle tear strength



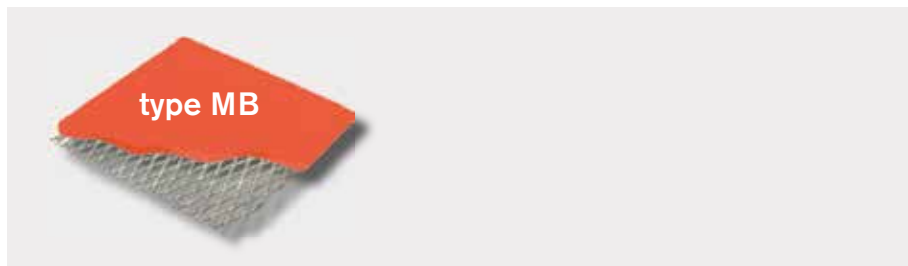
Trouser tear strength



Resilience/Rebound



Abrasion



type MB

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