



## Technical data

Type	LDPE
Raw material	recycled LDPE-compound
Delivery form	boards
Standard surface	smooth
Colours	black, grey
Thickness	3 -18 mm
Standard dimensions	3000 mm x 1500 mm 3000 mm x 1000 mm 2400 mm x 1200 mm 2000 mm x 1000 mm
Maximum length	3500 mm
Maximum width	2200 mm
Other dimensions and colours	on request
Range of applications	several applications in the livestock equipment industry, stable construction, at entrepreneurs, landscape gardeners etc.

### Working possibilities

Sawing	x
Drilling	x
Routing	x
Bending	x
Thermoforming	x
Welding	x

### Mechanical properties (at 23 °C)

	DIN EN ISO	Unit	
Density	1183	g/cm <sup>3</sup>	0,94
Yield stress	527	MPa	12
Breaking strength	527	MPa	7
Elongation at rupture	527	%	140
Modulus of elasticity in tension	527	MPa	450
Flexural modulus of elasticity	178	MPa	500
Impact strength	179-1/1eU	kJ/m <sup>2</sup>	no break
Abrasion resistance (at 1000 g)	ASTM-D-4060-10	Wear Index	ca. 45

### Thermal properties

min./max. service temperature		°C	-40 bis 70
Linear thermal expansion	DIN EN ISO11359	mm/(m·10 °C)	1,8

### Chemical and physical resistance

Degree of flammability	DIN 4102		B2
		The resistance of these products to acids, leaches and solvents is generally spoken very good.	

All informations given are indications and may vary as a result of working methods, additives, environmental influences etc. All details are given without liability on our part.