

## Technical data and classification: LDPE mats

### Basic data

96+% recycled LDPE polyethylene plastic boards suitable as ground protection plates for light and medium duty traffic. Assessed to be within European standard EN13501-1 and further meet the environmental requirements set by the Swedish Environmental Protection Agency.

Approved for public use by



Sveriges  
Kommuner  
och Landsting



Riksidrottsförbundet

Materialtyp	LDPE
Råvara	återvunnen LDPE-plast
Materialform	plattor
Standard yta	mönstrade
Färg	svarta
Tjocklek	6-18 mm
Längd	2400 och 3000mm
Maximal längd	3500 mm
Bredd	600 / 900 / 1200 / 1500 mm
Vikt per platta	18 - 55 kg
Andra storlekar	på förfrågan
Användningsområden	golvplattor körplattor skydd för markytor

#### Bearbetningsmöjligheter

Sågning	x
Borming	x
Fräsning	x
Värmeformning	x

#### Mekaniska egenskaper

	DIN EN ISO	Enhet	
Densitet	1183	g/cm <sup>3</sup>	1,10
Mekanisk styrka		Plattans bärighet beror på underlagets egenskaper. Temperatur påverkar också plastens spännstighet.	

#### Termiska egenskaper

	DIN EN ISO	Enhet	
min./max. användnings-temperatur		°C	-40 till 70
Linjär termisk utvidgning	11359	mm/(m·10 °C)	1,8

#### Kemiska och fysiska egenskaper

	Produkten har ett generellt motstånd mot de flesta syror, baser och lösnings-medel. (ej specificerat)
--	---

Alla värden är indikationsvärden och kan variera beroende på förberedningsmetoder, tillsatser, påverkan från användningsmiljön, m.m. Värdena kan därmed inte garanteras.

## Fireproof class



EN ISO 11925-2 - EN ISO 9239-1

### Classes of reaction to fire performance for floorings - EN 13501-1

Class	Test method(s)	Classification criteria	Additional classifications
A1 <sub>FL</sub>	EN ISO 1182 (1); and	DT ≤ 30°C; and Dm ≤ 50 %; and tf = 0 (i.e. no sustained flaming)	-
	EN ISO 1716	PCS ≤ 2,0 MJ.kg-1 (1); and PCS ≤ 2,0 MJ.kg-1 (2); and PCS ≤ 1,4 MJ.m-2 (3); and PCS ≤ 2,0 MJ.kg-1 (4)	-
A2 <sub>FL</sub>	EN ISO 1182 (1); or	DT ≤ 50°C; and Dm ≤ 50 %; and tf ≤ 20s	-
	EN ISO 1716; and	PCS ≤ 3,0 MJ.kg-1 (1); and PCS ≤ 4,0 MJ.m-2 (2); and PCS ≤ 4,0 MJ.m-2 (3); and PCS ≤ 3,0 MJ.kg-1 (4)	-
	EN ISO 9239-1 (5)	Critical flux (6) ≥ 8,0 kW.m-2	Smoke production(7)
B <sub>FL</sub>	EN ISO 9239-1 (5) and	Critical flux(6) ≥ 8,0 kW.m-2	Smoke production(7)
	EN ISO 11925-2 (8): Exposure = 15s	Fs ≤ 150mm within 20s	-
C <sub>FL</sub>	EN ISO 9239-1 (5) and	Critical flux(6) ≥ 4,5 kW.m-2	Smoke production(7)
	EN ISO 11925-2 (8): Exposure = 15s	Fs ≤ 150mm within 20s	-
D <sub>FL</sub>	EN ISO 9239-1 (5) and	Critical flux(6) ≥ 3,0 kW.m-2	Smoke production(7)
	EN ISO 11925-2 (8): Exposure = 15s	Fs ≤ 150mm within 20s	-
E <sub>FL</sub>	EN ISO 11925-2 (8): Exposure = 15s	Fs ≤ 150mm within 20s	-
F <sub>FL</sub>		No performance determined	

(1) For homogeneous products and substantial components of non-homogeneous products.

(2) For any external non-substantial component of non-homogeneous products.

(3) For any internal non-substantial component of non-homogeneous products.

(4) For the product as a whole.

(5) Test duration = 30 min.

(6) Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame).

(7) s1 = Smoke ≤ 750 % .minutes; s2 = not s1

(8) Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.

## Recommended use

Safe for / suitable as outdoor ground protection plates & indoor/outdoor temporary flooring.

In consultation with the Technical Research Institute of Sweden



### SP Sveriges Tekniska Forskningsinstitut

Box 857, 501 15 BORÅS

Telefon: 010-516 50 00, Telefax: 033-13 55 02

E-post: [info@sp.se](mailto:info@sp.se), Internet: [www.sp.se](http://www.sp.se)

[www.sp.se](http://www.sp.se)

Mer information om SP:s publikationer: [www.sp.se/publ](http://www.sp.se/publ)