

GeoScreen – Technical Data

MECHANICAL AND THERMAL PROPERTIES

PROPERTIES	UNITS	TESTING METHOD	SPECIFICATION	SPECIFIED VALUE
Long term creep pressure For 1000 hours	N/mm ²	DIN 53795	DIN 8061	10
Impact resistance at 23±2°C	%	DIN 53453	DIN 8061	Min 90
Water absorption	mg/cm ²	DIN 8061	DIN 8061	Max 4
Heat reversion	%	DIN 8061	DIN 8061	Max 5
Density	gm/cc	DIN 53479	DIN 8061	1.4-1.45
Mean co-efficient of linear thermal expansion in the temperature range 0 to 70°C	k ⁻¹	DIN 53752	DIN 8061	0.8x10 ⁻⁴
Thermal conductivity	w/km	DIN 52612 Part 1	DIN 8061	0.15
Vicat softening temperature	°C	ISO 2507 Part 1	ISO 2507 PART 2	≥79
Surface resistance	Ω	DIN VDE 0303 Part 2	DIN 8061	>10 ¹²
Yield point	N/mm ²	DIN EN ISO 527 Part 2	DIN 4925	45-55

Standard lengths (in metres)

6.0

3.0

2.0

1.0

Other lengths are available on request to maximise efficient container loading.

For example:
5.8 2.9 & 2.2

OPEN AREA RATING OF SCREENS ACCORDING TO SLOT DIMENSION (IN ACCORDANCE WITH DIN 4925)

NOMINAL SIZE DN	Slot 0.3mm	Slot 0.5mm	Slot 0.75mm	Slot 1mm	Slot 1.5mm	Slot 2mm	Slot 3mm
35	5.2%	6%	9.1%	9.4%	9.7%	12.1%	-
40	5.2%	6%	9.1%	9.4%	9.7%	12.1%	-
50	5.2%	6%	9.1%	9.4%	9.7%	12.1%	-
80	5.2%	6%	9.1%	9.4%	9.7%	12.1%	-
100	5.2%	6%	9.1%	9.4%	9.7%	12.1%	-
115	5.2%	6%	9.1%	9.4%	9.7%	12.1%	-
125	4.7%	5.6%	8.2%	8.5%	8.8%	11%	13.5%
150	-	5.6%	8.2%	8.5%	8.8%	11%	13.5%
175	-	5.6%	8.3%	8.5%	8.8%	11%	13.5%
200	-	-	8.3%	8.5%	8.8%	11%	13.5%
250	-	-	7.6%	7.9%	8.1%	10.2%	12.5%
300	-	-	7.6%	7.9%	8.1%	10.2%	12.5%
350	-	-	-	7.9%	8.1%	10.2%	12.5%
400	-	-	-	7.9%	8.1%	10.2%	12.5%



