


Terraplast Geotex TP 9

Product:	Terraplast Geotex TP 9	
Distributor:	MASTERPLAST Kft., 8143 Sárszentmihály, Árpád u. 1/a	
Size, packaging:	In rolls.	
Application:	Intended use of geotextile according to the field of application: in the construction of roads and other trafficked areas; railways; earthworks, foundations and retaining structures; drainage structures; external erosion control system; construction of reservoirs and dams; construction of canals; solid waste disposals and in liquid waste containments projects: filtration and separation (F+S).	
Material:	Thermally bonded non-woven Polypropylene	

General properties	Test method	Technical data
Density of raw-material (Polypropylene)		~ 0,9 g/cm ³
Melting point of raw-material (Polypropylene)		~ (+)165 °C
Width of roll		nominal value (±)0,5 %
Length of roll		nominal value (±)1 %
Mass per unit area	ASTM D 5261	110 (-10)g/m ²
Thickness (under a load of 2kPa)	ASTM D 5199	1,1 mm
Mechanical properties	Test method	Technical data
Grab strength (MD/XD)	ASTM D 4632	550 N / 550 N
Grab elongation (MD/XD)	ASTM D 4632	55 % / 55 %
Puncture strength	ASTM D 4833	300 N
CBR puncture resistance	ASTM D 6241	1,5 kN
Mullen burst strength	ASTM D 3786	220 psi / 14,48 kg/cm ²
Trapezoidal tear strength	ASTM D 4533	200 N
Energy index	ASTM D 4632	151
UV resistance	ASTM D 4355	70%
Hydraulic properties	Test method	Technical data
Apparent opening size	ASTM D 4751	155 µm
Permeability	ASTM D 4491	140 l/(m ² ·s)
Permittivity	ASTM D 4491	no data

Storage and handling

Under dry conditions, protected against atmospheric exposure, especially sun-radiation and other heat sources as well as against rain.

Guarantee, warranty:

In accordance with the current legislations and the conditions of the distributor. The observation of the application rules of the product and presentation of the invoice constitute a prerequisite for possible future warranty claims. To be covered within 1 month after installation!
Predicted to be durable for a minimum of 25 years in natural soils with 4<pH<9 and soil temperatures <25°C.

Standards, specifications

ASTM - standards

Health and safety

No labelling required in accordance with the relevant regulation (EC) No. 1272/2008 of the European Parliament and of the Council (REACH).

This datasheet corresponds to our current knowledge, experiences and general informations on the subject, but may be revised as new knowledge and/or experience becomes available. It does not imply any legally binding assurance. The product possesses the given technical characteristics. Since all variations of end-using of the product can not be anticipated, the designer/end-user's responsibility to make sure of the suitability of this product for particular purposes, structures.

This technical datasheet is applied to products sold by Masterplast Kft. and valid until withdrawal or until modification. Since this datasheet may be subject to revision, it is the responsibility of designer/end-user to make sure of possessing the latest version of the datasheet (*see date of issuing). Most recent version of this datasheet can be also accessed under www.masterplastgroup.com. Modification of the technical datasheet repeals the previously issued versions!