



# Polydren PP

**Non-woven geotextile to be used as compensation, levelling, protection and filter layer.**

## DESCRIPTION

**POLYDREN PP** is a 100% polypropylene woven-non-woven geotextile, needle punched and thermocalandered.

**POLYDREN PP** is produced in conformity to EN 13249; EN 13250; EN 13251; EN 13252; EN 13253; EN 13254; EN 13255; EN 13256; EN 13257; EN 13265 standards.

## APPLICATION FIELDS

Non-woven geotextile to be used as compensation, levelling, protection and filter layer.

## PACKAGING

Rolls of dimensions	2,0 x 100,0 m	(Polydren PP 200)
Rolls of dimensions	2,0 x 50,0 m	(Polydren PP 300)
Rolls of dimensions	2,0 x 50,0 m	(Polydren PP 400)
Rolls of dimensions	2,0 x 50,0 m	(Polydren PP 500)
Rolls of dimensions	2,0 x 25,0 m	(Polydren PP 800)

## STORAGE

Store horizontally, shelter from sun and bad weather in a dry place.

## SAFETY INSTRUCTIONS

**POLYDREN PP** is not considered dangerous according to the current safety regulation for the classification of goods and substances.

The safety datasheet is therefore not compulsory for the purchase, transport and application.

## TECHNICAL DATA

### PRODUCT PROPERTIES

Product	100% Polypropylene non-woven geotextile, needle punched and thermocalandered				
Colour	Multicolour				
CHARACTERISTICS STANDARDS	POLYDREN PP 200	POLYDREN PP 300	POLYDREN PP 400	POLYDREN PP 500	POLYDREN PP 800
EN ISO 9864 Mass per unit area (g/m <sup>2</sup> )	200 (±10%)	300 (±10%)	400 (±10%)	500 (±10%)	800 (±10%)
EN ISO 10319 Tensile strength CMD (kN/m) Tensile strength MD (kN/m)	4,0 (-0,6) 3,5 (-0,5)	8,0 (-1,1) 6,0 (-0,8)	10,0 (-1,5) 8,0 (-1,2)	13,0 (-1,6) 11,0 (-1,9)	19,5 (-2,9) 16,5 (-2,4)
EN ISO 10319 Elongation at maximum load CMD (%) Elongation at maximum load MD (%)	48 (±10) 48 (±10)	50 (±10) 48 (±10)	55 (±13) 55 (±13)	60 (±14) 60 (±14)	70 (±18) 65 (±15)
EN ISO 12236 Static puncture resistance CBR (N)	550 (-80)	1000 (-100)	1150 (-170)	1500 (-220)	2800 (-420)
EN ISO 11058 Waterflow normal to the plane (l/m <sup>2</sup> s)	40 (-12)	40 (-12)	30 (-9)	28 (-8)	28 (-8)
EN ISO 12956 Characteristic opening size O <sub>90</sub> (µm)	75 (±22)	65 (±20)	65 (±20)	60 (±18)	60 (±18)
EN ISO 9863-1 Thickness at 2 kPa (mm)	1,2 (±10%)	1,7 (±10%)	2,2 (±10%)	2,4 (±10%)	4,4 (±10%)
EN ISO 13501-1 Reaction to fire class (Class)	F	F	F	F	F
EN ISO 13438 Resistance to oxidation	Minimum durability expected 5 years in natural grounds with 4<pH<9 and ground temperatures <25 °C.				

We reserve the right to modify without prior notice the characteristics of our products, to continuously improve them.



MAPEPLAN® range is produced by:



Registered Office: Viale Edoardo Jenner, 4 - 20159 MILAN - Italy  
 Head Office: Via Giorgio Squinzi, 2 - 31047 Ponte di Piave (TV) - Italy  
 Tel. +39 04227547 - info@polyglass.it - www.polyglass.com