

Brotuflex® PP40

Description:

Brotuflex® PP 40 geotextile is a woven material suitable for subgrade stabilisation, separation of various layers and base reinforcement applications. Brotuflex® PP 40 is composed of high modulus polypropylene fibres, assembled to form a structured and stable woven geotextile.

Characteristic	Test Method	Unit	PP 40
Material	DSC analytics		polypropylene (PP)
PHYSICAL PROPERTIES			
Thickness 2 kPa	EN ISO 9863-1	mm	0,80
MECHANICAL PROPERTIES			
Tensile strenght - MD	EN ISO 10319	kN/m	40
Tensile strenght - CMD			40
Elongation - MD	EN ISO 10319	%	13
Elongation - CMD			8
Static puncture test (CBR test)	EN ISO 12236	N	4400
Dynamic perforation test	EN ISO 13433	mm	14
HYDRAULIC PROPERTIES			
Water permeability normal to the plane	EN ISO 11058	l/m ² .s	29
Characteristic opening size O ₉₀	EN ISO 12956	mm	0,200
DURABILITY			
Resistance to weathering	EN 12224	to be covered within 14 days after installation	
Resistance to oxidation	EN 13438	predicted to be durable for 100 years in natural soils with 4 ≤ pH ≤ 9 and soil temperatures ≤ 25 °C	
FUNCTIONS			F, F+S, R
ROLL CHARACTERISTICS			
Length / roll		m	100
Width / roll		m	5,20
Area / roll		m ²	520
Diameter / roll		cm	28
Weight / roll		kg	104