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GEOTEXAN (Av. Concha Espina, 5. Minas de Riotinto. Huelva) – ChovA, S.A. Ctra. Tavernes-Liria, km 4,3. Tavernes de Valldigna. Valencia. ESPAÑA

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CE Trade year set: 2.004

EN 13249:2001 - EN 13250:2001 - EN 13251:2001 - EN 13252:2001 - EN 13253:2001 - EN 13254:2001 - EN 13255:2001 - EN 13256:2001 - EN 13257:2001 - EN 13265:2001

Polypropylene fibers geotextile, thermally bonded, for use in roads and other traffic areas, railway buildings, earthworks, foundations and retaining structures, drainage systems, erosion control (shoreline protection, bank coverings) reservoirs and dams construction, canals construction, tunnels construction and underground structures, solid waste landfills, draft solid waste containers. And in building.

Intended uses: Drainage Reinforcement-Filtration-Separation-Protection

TECHNICAL CHARACTERISTICS.

GEOFIM PP

GEOFIM PP		Unit	11	12	13	15	17
Traction resistance (ISO 10319)	Longitudinal	kN/m	6,5 (-1,24)	7,2 (-0,78)	7,6 (-0,71)	8,0 (-1,2)	9,2 (-0,66)
	Transversal	kN/m	6,5 (-1,12)	7,3 (-0,64)	9,0 (-1,40)	10,1 (-1,3)	10,1 (-0,76)
Elongation to break (ISO 10319)	Longitudinal	%	52 (± 7)	54 (± 6)	53 (± 6)	50 (± 6)	53 (± 6)
	Transversal	%	56 (± 6)	59 (± 6)	59 (± 6)	55 (± 6)	61 (± 6)
Drilling resistance (Cone fall. EN 918)		mm	33 (+1,9)	29 (+2,6)	31 (+1,3)	24 (+2,5)	22 (+1,4)
Punching resistance CBR (EN ISO 12236)		kN	1,11 (-0,1)	1,23 (-0,1)	1,36 (-0,2)	1,56 (-0,15)	1,72 (-0,1)
Opening measure. (Porosimetry O ₉₀ (EN ISO 12956)		mm	0,21 (± 0,03)	0,20 (± 0,03)	0,18 (± 0,03)	0,18 (± 0,03)	0,17 (± 0,03)
Water permeability (EN ISO 11058)		l/m ² s	64 (-9,6)	64 (-9,5)	61 (-9,2)	61 (-9,1)	56 (-8,5)
Water flow gradient in plane (EN ISO 12958)	gradient q ₂₀ /1,0	10 ⁻⁶ m ² /s	3,45	4,49	4,53	4,92	5,39
	gradient q ₂₀₀ /1,0		1,09	1,14	1,33	1,49	1,46
Durability		<ul style="list-style-type: none"> - To cover in the installation day, and in two weeks for other applications. - Foreseen durability for 25 years minimum, in natural grounds with 4 ≤ pH ≤ 9, and a temperature ≤ 25 °C. 					

OTHER ADDITIONAL FEATURES.

GEOFIM PP

Weight (EN ISO 9864) – Mass superficial	g/m ²	90 (± 2 %)	100 (± 2 %)	110 (± 2 %)	125 (± 2 %)	140 (± 2 %)
Thickness under 2 kPa (EN ISO 9863-1)	mm	1,0 (± 20%)	1,1 (± 20%)	1,2 (± 20%)	1,3 (± 20%)	1,4 (± 20%)
Data for 1,83 m. wide rolls (Consult for other widths)						
Roll length	m	100	100	100	100	100
Roll diameter (Approximate)	cm	33	34	36	38	38
Roll weight. (Approximate)	kg	16,5	18,5	20,2	23,0	25,7

Nonwoven geotextiles, 100% polypropylene, high tenacity fibers, attached mechanically filaments by needling process and subsequent heat treatment.

(*) Rolls also be provided with width 2.75 or 5.50 m. (On demand).

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ChovA
SISTEMAS DE IMPERMEABILIZACIÓN
Y AISLAMIENTO

GEOFIM PP

POLYPROPYLENE GEOTEXTILES.

TECHNICAL FILE Nº 83250/62 - REVIEW 6/09
THIS REVIEW CANCELS PREVIOUS



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TECHNICAL CHARACTERISTICS.

GEOFIM PP

GEOFIM PP		Unit	18	21	23	30
Traction resistance (ISO 10319)	Longitudinal	kN/m	11,8 (-1,3)	12,4 (-0,86)	15,0 (-152)	19,5 (-1,46)
	Transversal	kN/m	12,0 (-1,6)	12,5 (-1,25)	15,0 (-1,3)	19,5 (-3,66)
Elongation to break (ISO 10319)	Longitudinal	%	54 (± 6)	55 (± 6)	55 (± 6)	57 (± 7)
	Transversal	%	58 (± 6)	61 (± 6)	61 (± 6)	63 (± 7)
Drilling resistance (Cone fall. EN 918)			19 (+2,6)	17,5 (+0,4)	15,7 (+1,0)	11,8 (+1,1)
Punching resistance CBR (EN ISO 12236)			1,96 (-0,1)	2,26 (-0,1)	2,57 (-0,1)	3,31 (-0,11)
Opening measure. (Porosimetry O ₉₀ (EN ISO 12956)			0,134 (± 0,02)	0,10 (± 0,02)	0,06 (± 0,01)	0,06 (± 0,01)
Water permeability (EN ISO 11058)			56 (-8,4)	44 (-6,7)	31 (-4,5)	31 (-4,8)
Water flow gradient in plane (EN ISO 12958)	gradient q _{20/1,0}	10 ⁻⁶ m ² /s	5,98	6,05	6,39	7,54
	gradient q _{200/1,0}		1,70	1,95	2,02	2,36
Protection efficiency (EN 13719)		10 ³ kN/m ²	--	15,29	16,29	16,37
Durability		<ul style="list-style-type: none"> - To cover in the installation day, and in two weeks for other applications. - Foreseen durability for 25 years minimum, in natural grounds with 4 ≤ pH ≤ 9, and a temperature ≤ 25 °C. 				

OTHER ADDITIONAL FEATURES.

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Weight (EN ISO 9864) – Mass superficial	g/m ²	160 (± 2 %)	180 (± 2 %)	200 (± 2 %)	260 (± 2 %)
Thickness under 2 kPa (EN ISO 9863-1)	mm	1,5 (± 20%)	1,6 (± 20%)	1,7 (± 20%)	2,2 (± 20%)
Data for 1,83 m. wide rolls (Consult for other widths)					
Roll length	m	100	100	100	90
Roll diameter (Approximate)	cm	45	45	46	50
Roll weight. (Approximate)	kg	29,4	33,0	36,6	42,9

Nonwoven geotextiles, 100% polypropylene, high tenacity fibers, attached mechanically filaments by needling process and subsequent heat treatment.

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