

PET Geocomposite Coated Bitumen Technical Data

GERUN ASPH PET Comp are composed of high modulus polyester low elongation through the warp knitting into a grid structure and simultaneous needle-punched the light weight non woven fabric, after covered with a modified bitumen coating.



PET Geocomposite Coated

Physical properties	Unit	PET-30/30C	PET-50/50C	PET-75/75C	PET-100/100C	Test method
Material		PET+Ultralight nonwoven Coating bituminous				
Nonwoven		50 grams NWG thermally bonded				
Mesh Size of the Grid	mm (in)	40×40 (1.5×1.5)	40×40 (1.5×1.5)	25×25 (1.0×1.0)	25×25 (1.0×1.0)	
Softening Point	°C			190°C		ASTM D 276
Melting Point	°C			255°C		
Mechanical properties						
Tensile Strength - MD	KN/m (lb/ft)	30(2058)	50(3430)	75(5140)	100(6850)	ASTM D 6637
- CD	KN/m (lb/ft)	30(2058)	50(3430)	75(5140)	100(6850)	ASTM D 6637
Elongation - MD&CD	%	12	12	12	12	ASTM D 6637
Tensile Strength at 5% Strain- MD	KN/m (lb/ft)	14(960)	24(1646)	36(2470)	48(3293)	ASTM D 6637
Width	m	5	5	5	5	
Roll length	m	100	100	100	50	
20'container Capacity-approx.		25,000	22,500	20,000	20,000	
40HQ container-approx.		55,000	50,000	47,000	38,000	

1. MD:Machine direction, CD:Cross- Machine direction.

2. The table width is max width, We can according customer's requests and capacity load maybe change.

3. Test method: ASTM D 6637.

4. The technical data are according to our laboratories and testing institution.