

GERUN® Grid

Technical Data Sheet

GERUN® Grid use the high polyester industrial yarns are adopted and weve through warp knitting into grid base fabrics and after covered with polymer coating,



GERUN® Grid

Product properties

Physical properties	Unit	HNET- 25/25	HNET- 50/50	HNET- 80/80	HNET- 100/100	HNET- 150/150	HNET- 200/200	HNET- 250/250	HNET- 300/300	Test method
Material		High Tenacity PET Yarn Coated With polymer								
Aperture Size ± 20%	mm	25×25	25×25	25×25	25×25	25×25	50×50	50×50	50×50	
PET yarns properties										
Carboxyl end group(CEG)	mmo/kg	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	GRI GG7
Molecular weight	Mn	32000	32000	32000	32000	32000	32000	32000	32000	GRI GG8
Mechanical properties										
Tensile Strength - MD	KN/m	25	50	80	100	150	200	250	300	ASTM D 6637
	lb/ft	1712	3425	5480	6850	10275	13700	17125	20550	
Tensile Strength - CD	KN/m	25	50	80	100	150	200	250	300	ASTM D 6637
	lb/ft	1712	3425	5480	6850	10275	13700	17125	20550	
Elongation - MD&CD	%	12	12	12	12	12	12	12	12	ASTM D 6637
Strength at 2% Strain - MD&CD	KN/m	4	9	15	18	27	35	44	53	ASTM D 6637
	lb/ft	274	616	1027	1233	1849	2397	3014	3630	
Strength at 5% Strain - MD&CD	KN/m	11	21	33	42	63	84	105	126	ASTM D 6637
	lb/ft	753	1438	2260	2877	4315	5754	7192	8631	
Creeping R.F - MD&CD		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	ASTM D 5262
Installation damage R.F		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
LTD strength R.F - MD&CD	KN/m	13	25	40	50	75	100	125	150	GRI GG4
	lb/ft	890	1712	2740	3425	5137	6850	8562	10275	
width	m	5	5	5	5	5	5	5	5	
Roll length	m	50	50	50	50	50	50	50	50	
Application		Embankment, Slopes, Base Reinforcement, Retaining Walls								
20'container capacity-approx.	m²	23000	22500	22500	22000	21000	20000	18000	16000	
40'container capacity-approx.	m²	46000	45000	45000	44000	42000	40000	36000	32000	
40HQ container-approx.	m²	50000	49000	48000	46000	44000	42000	38000	34000	

Note:

1. Aperture Size:
2. The Table Width Is Max Width,We Can According Customer'S Requests And Capacity Load Maybe Change.
3. All Our Technical Characteristics Are Indicative.