



XGrid PET-C-0 80/20

Reference norms: EN 13249, EN 13250, EN 13251,
EN 13253, EN 13254, EN 13255,
EN 13257, EN 13265

Certificate number: 1213 - CPR - 5326

Application: Reinforcement



STRUCTURE: Knitted grid from high-tenacity multifilament polyester yarns with black polymeric coating which can provide best resistance of UV and durability

PROPERTIES OF RAW MATERIAL

Raw material	PET	<i>tol</i>
Coating	polymeric	

MECHANICAL PROPERTIES

Strength resistance MD - T_{ULT}	EN ISO 10319	kN/m	≥ 80	
Elongation at max load MD	EN ISO 10319	%	10	+/-2,5
Strength resistance CMD	EN ISO 10319	kN/m	≥ 20	
Elongation at max load CMD	EN ISO 10319	%	11	+/-2,5
Long term design strength MD - T_{AL} (*)	FHWA NHI-00-043	kN/m	44,23	

(120 years life, 20°, 5<pH<8, sand)

CHEMICAL PROPERTIES OF RAW MATERIAL

Carboxyl End Group - CEG	GRI GG7	mmol/kg	16,6	<i>tol</i>
Molecular weight	GRI GG8	Mn	40.000	

TYPICAL DIMENSIONS

Mesh dimensions MD/CMD	mm	29x29	+/-2
Roll width	m	4,15 - 5,25	+/-0,1
Roll length	m	100	+/-0,5

MD: Machine direction - longitudinal direction

CMD: Cross machine direction - transverse direction



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