

Steadygrid[®] GX

PRODUCT DATA SHEET

Typical Properties	Test method*	Unit	Product Grade		
			Steadygrid GX PP 30/30-150	Steadygrid GX PP 40/40-150	Steadygrid GX PP 50/50-150
			Value	Value	Value
Reinforcement Properties					
Raw material	-	-	Polypropylene		
Tensile strength, md / cmd*	EN ISO 10319 / ASTM D6637	kN/m	≥30 / ≥30	≥40 / ≥40	≥50 / ≥50
Elongation at nominal strength, md / cmd*	EN ISO 10319 / ASTM D6637	%	≤7%	≤7%	≤7%
Tensile strength at 1% elongation, md / cmd*	EN ISO 10319 / ASTM D6637	kN/m	≥6 / ≥6	≥8 / ≥8	≥10 / ≥10
Tensile strength at 2% elongation, md / cmd*	EN ISO 10319 / ASTM D6637	kN/m	≥12 / ≥12	≥16 / ≥16	≥20 / ≥20
Tensile strength at 5% elongation, md / cmd*	EN ISO 10319 / ASTM D6637	kN/m	≥24 / ≥24	≥32 / ≥32	≥40 / ≥40
Aperture size, md x cmd*	-	mm x mm	approx. 52 x 52	approx. 33 x 33	approx. 31 x 31
Roll dimensions, width x length	-	m x m	5.75 x 50	5.75 x 50	5.75 x 50
Separation / Filtration Properties					
Raw material	-	-		Polypropylene	
Static Puncture Resistance	EN ISO 12236 / ASTM D6241	N	≥1500	≥1500	≥1500
Dynamic Puncture Resistance**	EN ISO 13433	mm	≤20	≤20	≤20
Characteristic Opening Size**	EN ISO 12956 / ASTM D4751	µm	170	170	170
Permeability (VH100-Index)	EN ISO 11058 / ASTM D4491	-	≥100	≥100	≥100

*md = machine direction, cmd = cross machine direction; **this test is performed by external laboratories and is not part of our regular quality control

The listed technical values are guiding values, achieved in our laboratories and/or independent testing institutes.

Our products are subject to changes without prior notice.