



Mayzo Makes It Possible

Imagine working with a company that has no boundaries on exploring solutions for *geogrids.*

### BETA NUCLEANT MASTERBATCH

Light Stabilizers

Antioxidants

Stabilizer Blends

Release Coats

Specialty Additives

Tackifier Resins

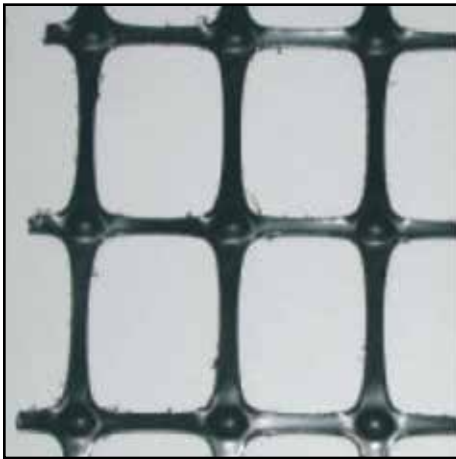


### High Performance Beta Nucleation Masterbatch Systems from Mayzo for Geogrid

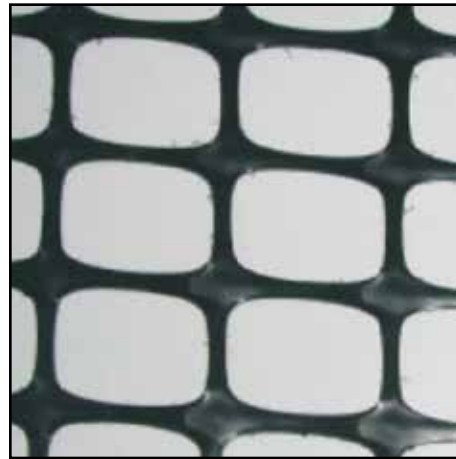
- MPM 1110
- MPM 2000

- More uniform drawing (smaller node regions and wider, thicker strands)
- Higher tensile strength
- Higher torsional rigidity
- Significant raw material savings due to down-weighting potential (up to 25% lighter weight)
- Higher line speeds (productivity improvement) – up to 50% increase in through-put rates observed

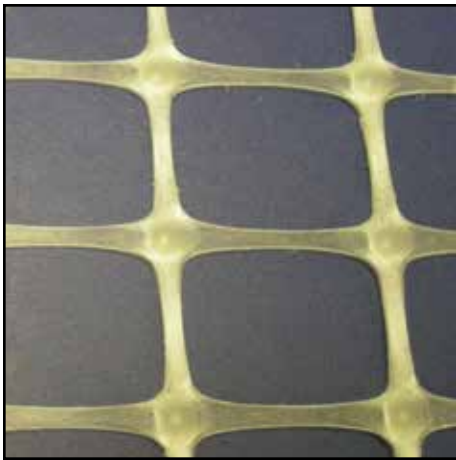
Type and Sample No.	Basis Weight (g/m <sup>2</sup> )	Tensile Strength @ 2% Elongation (kN/m)		Tensile Strength @ 5% Elongation (kN/m)		Ultimate Tensile Strength (kN/m)		Torsional Rigidity (cm-kg/deg)
		MD	TD	MD	TD	MD	TD	
Beta S1	309	7.9	13	13.2	23.3	24.3	36.4	8.7
Beta S2	268	7.6	11.5	12.6	21.4	23.9	32.2	9.1
Beta S3	254	7.6	11.6	12.8	21.3	23.4	31	8
Non Nucleated	313	6	9	11.8	19.6	19.2	28.8	6.5



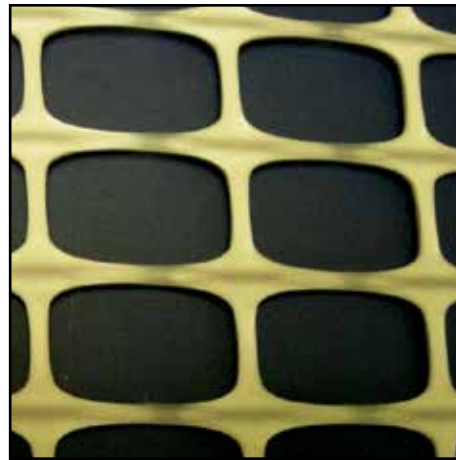
Non-nucleated geogrid  
Node thickness of 3.4 mm



Beta nucleated geogrid with MPM 1110  
Node thickness of 2.3 mm



Non-pigmented geogrid made  
without beta nucleation



Non-pigmented geogrid made  
with MPM 1110



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