

Solaplast 2110

Technical Data Sheet

The Solaplast 2000 series of algae-blended resins using polyester base resins. These are thermoplastic compounds containing a significant fraction of algae biomass and bio-based additives. The Solaplast 2110 grade of resin uses a compostable polyester base resin (PBAT) with aquatic biomass. This resin is a bio-content of at least 40%.

This resin can be for biodegradable and compostable application. The resin can be used directly or as a masterbatch to be let down to desired loading levels in the end product. The Solaplast 2110 can be used for injection molding of cast film extrusion applications where bio-content and compostability are required.

Material Properties:

Melt Flow Index	5.7	g/10min	ASTM D1238
Density	1.41	g/cc	ASTM D1505
Tensile Strength	5.9	Mpa	ASTM D638
Tensile Modulus	145	Mpa	ASTM D639
Elongation	24	%	ASTM D640
Flexural Strength	1,450	Mpa	ASTM D790
Flexural Modulus	32,100	Mpa	ASTM D790

*Typical Values, not to be construed as specifications.

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