

Solaplast 1320

Technical Data Sheet

The Solaplast 1000 series resins are algae-blended resins using a polyolefin base resin. These are thermoplastic compounds containing a significant fraction of algae biomass and bio-based additives. The Solaplast 1320 grade of resin uses an ethylene vinyl-acetate base resin (EVA) with industrial-grade aquatic biomass. This resin is a bio-content of at least 50%.

This resin can be for durable 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 1320 can be used for injection molding, foaming, or cast film extrusion applications where bio-content, flexibility, enhanced elongation and durability are required.

Material Properties:

Melt Flow Index	1.4	g/10min	ASTM D1238
Density	1.1	g/cc	ASTM D1505
Tensile Strength	8.9	Mpa	ASTM D638
Tensile Modulus	162.0	Mpa	ASTM D639
Elongation	308.8	%	ASTM D640
Flexural Strength	20.0	Mpa	ASTM D790
Flexural Modulus	342.3	Mpa	ASTM D790

*Typical Values, not to be construed as specifications.

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