



BLOOM™ Stride

TECHNICAL DATA SHEET

The BLOOM resins are algae-blended resins using an elastomeric base resin. These are thermoplastic compounds containing a significant fraction of algae biomass and bio-based additives. The BLOOM Stride grade of resin uses a styrene butadiene styrene base resin (SBS) with an algae biomass. This resin has a renewable content of at least 45%.

This resin can be used for durable applications such as sheet foaming, injection foaming, sheet extrusion, and injection molding. The resin can be used directly or as a masterbatch to be let down to desired loading levels in the end product. The BLOOM Stride can be used for applications where bio-content, flexibility, enhanced elongation and durability are required. Mechanical properties based on a 30% loaded injection molded part.

MATERIAL PROPERTIES:

Melt Flow Index	1.8	g/10min (2.16kg @ 190°C)	ASTM D1238
Density	1.1	g/cc	ASTM D1505
Tensile Strength	4.35	MPa	ASTM D638
Tensile Modulus	275	MPa	ASTM D638
Elongation	386	%	ASTM D638

*Typical Values, not to be construed as specifications.

Recommended for usage in TPR shoe outsole molding applications.

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