Cardia Compostable™ B-MT02 (Flex)

Thermoplastic Starch + Copolyester

Cardia Bioplastics™

Message:

Cardia Compostable B-MT02 is a fully biodegradable and compostable resin based on a blend of thermoplastic starch (TPS), biodegradable polyesters and natural plasticizers. This grade of resin is compatibilised to offer a high level of mechanical strength, impact resistance and toughness. The resin is based on corn starch which is a renewable material.
A fully biodegradable and compostable resin
Designed to be used for injection moulding and profile/sheet extrusion
Cardia Compostable B-MT02 resin is fully biodegradable during composting in professionally managed composting facilities.
Complies with International Standard ISO16929, ISO 14855
Cardia Compostable B-MT02 complies with
European Standard EN13432,
USA Standard ASTM 6400,
Australian Standard AS 4736 and
Japanese "GreenPla" Standard
Chinese Environmental Labelling.
Application Examples
Biodegradable injection moulded products such as cutlery, toothbrushes, combs, shavers, golf-tees, plant markers, etc.
Extruded tubes and rods
Biodegradable stakes and pegs
Biodegradable tags
Extruded pipes
Injection moulded containers, caps and closures
Compostable rigid products if wall thickness is kept below 1 mm.

General Information	
Features	Biodegradable
	Compostable
	Good Toughness
	High Impact Resistance
	High Strength
	Renewable Resource Content
Uses	Caps
	Closures
	Containers
	Disposable Tableware
	Personal Care
	Piping
	Profiles
	Rods
	Sheet
	Table Products
	Toothbrush Handles
	Tubing

Agency Ratings	ASTM D 6400 EN 13432 EU 2002/72/EC ISO 14855
Processing Method	Injection Molding Pipe Extrusion Profile Extrusion Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Moisture Content	< 0.60	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1340	MPa	ASTM D638
Tensile Strength (Break)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	1.6	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	63	J/m	ASTM D256

Recommended distributors for this material

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