

A BETTER BIOPLASTIC FOR A BETTER WORLD

Plastic is a revolutionary material that has changed our world since it was first discovered in the early 1900s. Now we're bettering it by making resin that is more sustainable, compostable, and eco-friendly. Together, we can lessen the environmental impact of products we love and use every day.



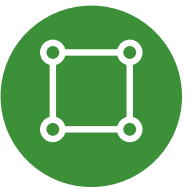
Terratek[®] WC/SC Biocomposites

Terratek[®] WC/SC biocomposite materials made of wood, starch, or hemp that provide many solutions to meet growing demand for eco-friendly, biobased goods. Each offers its own signature look and value.



Terratek[®] Flex Elastomer

Terratek[®] FX materials are a line of starch-based elastomers that are strong, durable and pliable with an exquisite soft touch.



Terratek[®] NFRP Natural Fiber Reinforced

Terratek[®] NFRP materials are traditional polymers or bioplastic resins reinforced with natural fibers for lightweight, eco-friendly structural plastics.



Terratek[®] BD Biodegradable

Terratek[®] BD materials are a biodegradable line of materials that are created from a proprietary blend of starch-based ingredients and other polymers.

Terratek[®] bioplastics combine environmental benefits and uncompromising quality to provide highly functional, cost competitive alternatives to traditional thermoplastics. Our broad range of biobased and compostable plastics are not just greener, they're better.

PRODUCT GUIDE

BIOCOMPOSITES

Typical Properties	Specific Gravity	Melt Flow Rate	Notched Izod Impact Strength	Tensile Strength	Flex Modulus
ASTM Method	D792	D1238	D256	D638	D790
Units		g/10min	ft-lb/in	PSI	PSI
WC100299	1.5	4	1.1	5,500	683,000
	Injection molding grade of soft wood filled polypropylene, natural color: light brown with flecks,				
WC200122	0.94	5.1	0.4	4,444	347,047
	Injection molding grade of hard wood filled polypropylene, natural color: medium brown with flecks				
WC200118	0.99	10	0.5	5,590	442,285
	Injection molding grade of hard wood filled polypropylene, natural color: medium brown with flecks				
WC200112	0.94	5.1	0.4	4,444	347,047
	Injection molding grade of soft wood filled polypropylene, natural color: light brown with flecks				
WC200300	1.0	9.4	1.1	2,739	442,285
	Injection molding grade of soft wood filled polypropylene, natural color: light brown with flecks, suitable for children and pet toy applications				
WC200312	1.0	2	0.5	4,200	400,000
	Extrusion molding grade of hard wood filled polypropylene, natural color: medium brown with flecks				
WC200140•	1.0	7	0.6	2,900	210,000
	Injection molding grade of hard wood filled green polyethylene, 100% biobased, natural color: medium brown with flecks of wood				
WC200145•	1.0	6.7	0.6	2,983	223,859
	Injection molding grade of hard wood filled green polyethylene, 100% biobased, natural color: medium brown with flecks, suitable for handles, cutting boards, containers				
WC200180•	1.2	3.2	0.7	10,522	579,702
	Injection molding grade of Nylon 6, low fill hard wood, natural color: medium brown with flecks of wood, suitable for pet toy applications				
SC50•	1.1	31	0.4	4,174	330,592
	Injection molding grade of starch filled polypropylene, certified BioPreferred, natural color: white, uses from cutlery to containers				
SC65•	1.2	10	0.3	3,770	400,000
	Injection molding grade of starch filled polypropylene, natural color: white				
SC200012•	1	5.9	0.6	3,500	210,000
	Injection molding grade of starch filled green polyethylene, 100% biobased, natural color: white				
SC200041•	1.1	5.9	0.5	3,500	211,705
	Injection molding grade of starch filled green polyethylene, 100% bio based, natural color: white				

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	Typical Properties	Specific Gravity	Melt Flow Rate	Notched Izod Impact Strength	Tensile Strength	Flex Modulus	Hardness
	ASTM Method	D792	D1238	D256	D638	D790	
	Units		g/10min	ft-lb/in	PSI	PSI	Shore
BIOCOMPOSITES	CC200500•	1.0	6.7	0.6	2,983	223,859	
		Injection molding grade of corn cob filled green polyethylene, natural color: light brown with flecks					
	CC200515•	1.0	6.7	0.6	2,983	223,859	
		Injection molding grade of corn cob filled green polyethylene, natural color: light brown with flecks					
Misc.	HC200610	0.91	17	0.8	4,293	243,384	
		Injection molding grade of hemp filled polypropylene, natural color: dark brown with flecks					
	HC200500•	1.0	36	0.8	3,151	258,868	
		Injection molding grade of hemp filled green polyethylene, natural color: dark brown with flecks					
FLEXIBLE BIODEGRADABLE	FX1504	1.2	15	6.1	1,873	16,097	90A
		Extrusion molding grade of biodegradable elastomeric material, natural color: light yellow, suitable for 3D printer filament					
	FX1604	1.2	30	6.1	1,873	16,097	90A
		Injection molding grade of biodegradable elastomeric material, natural color: light yellow					
	FX1515•	1.2	14	No Break	1,300	7,000	85A
FX		Extrusion and injection molding grade of biodegradable elastomeric material, natural color: light yellow					
	FX2217	1.2	14	No Break	2,027	4,642	80A
		Extrusion and injection molding grade of biodegradable elastomeric material, natural color: light yellow					
	GDH-B1FA	1.2	29	N/A	1,360	N/A	74A
	Extrusion and injection molding grade of biodegradable elastomeric material, natural color: light yellow, suitable for electronics cases, synthetic leather						
RIGID BIODEGRADABLE	BD3018•	1.3	9	0.5	4,674	272,327	
		Extrusion molding grade of above ground biodegradable material, natural color: white, suitable for sheet extrusion, drinking straws					
	BD1216•	1.6	65	0.3	4,846	369,272	
BD		Injection molding grade of biodegradable material, similar to polystyrene, natural color: white, suitable for cutlery					
	BD2214	1.3	8	1.2	4,815	374,486	
	Injection molding grade of biodegradable material, natural color: white with flecks of corn cob, suitable for nursery pots, feed buckets, vine clips, and other horticulture applications						

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RIGID
BIODEGRADABLE

BD

Typical Properties	Specific Gravity	Melt Flow Rate	Notched Izod Impact Strength	Tensile Strength	Flex Modulus	Hardness
ASTM Method	D792	D1238	D256	D638	D790	
Units		g/10min	ft-lb/in	PSI	PSI	Shore
BD4015•	1.3	8.8	0.9	2,700	400,000	
	Injection molding grade of biodegradable material, natural color: white					
BD4100	1.3	32	0.8	7,931	82,569	
	Injection molding grade of biodegradable material, similar to polyethylene, natural color: white, suitable for electronics cases, pet accessories, containers, works with living hinges					
BD4800	1.3	6	0.8	7,931	82,569	
	Extrusion molding grade of biodegradable material, similar to polyethylene, natural color: white					
BD5100 (M1000)•	1.6	35	1.1	5,098	231,133	
	Injection molding grade of biodegradable material, similar to polypropylene, natural color: shiny white, suitable for cutlery, table wares					
BD5175•	1.2	39	0.5	5,589	186,325	
	Injection molding grade of biodegradable material, similar to polyethylene, natural color: shiny white					
BD7120	1.3	18	0.7	5,800	91,374	
	Injection molding grade of biodegradable material, natural color: white					
BD2012	1.2	2.5-5.4	No Break	3,340	16,000	
	Extrusion molding grade of biodegradable material, natural color: white					

OUR MISSION

Green Dot's mission is to advance the unique characteristics of bioplastics to help designers and manufacturers create inspired products that empower consumers to contribute to a more sustainable world. In everything we do, we strive to minimize the use of petroleum-based chemicals, maximize the use of renewable materials, increase the value of reclaimed and recycled materials, and enhance the performance of biodegradable materials.

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NATURAL FIBER REINFORCED

Typical Properties	Specific Gravity	Melt Flow Rate	Notched Izod Impact Strength	Tensile Strength	Flex Modulus	Hardness
ASTM Method	D792	D1238	D256	D638	D790	
Units		g/10min	ft-lb/in	PSI	PSI	Shore
NF3050	1.01	4.6	1.9	4,700	Not tested	N/A
	General purpose injection molding grade polypropylene, low fill natural fiber, natural color: medium brown with flecks					
NF3010	1.03	2.8	1.9	5,580	Not tested	N/A
	General purpose injection molding grade polypropylene, medium fill natural fiber, natural color: medium brown with flecks					
NF2050	1.05	5.4	2.2	4,712	Not tested	N/A
	General purpose injection molding grade polypropylene, low fill natural fiber, natural color: medium brown with flecks					
NF2010	1.08	3.1	2.2	5,000	Not tested	N/A
	General purpose injection molding grade polypropylene, medium fill natural fiber, natural color: medium brown with flecks					

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