



Technical Data Sheet
GT 510
GC 510

General Description: Biodegradable mulch film material, transparent **GT 510** or black **GC 510**

Features:

- weather protection and pest control for young plants;
- maintenance of moisture in surface soils;
- creation of the most favourable microclimate;
- stimulation of beneficial plant growth-promoting bacteria;
- more abundant and early harvest;
- weed control;
- no constant weeding required;
- reduction of pesticides and herbicides use;
- keeping crops clean and undamaged due to no contact between them and the soil

Scope of Application

Agriculture and farming

Specifications:

Parameter/Properties		Test Method	UOM	Value
Thickness		ASTM D 6988	μm	(8 - 20) ± 10%
Density		ISO 1183	g/cm ³	1.27
Tensile Strength	MD/ machine direction	ASTM D 882	MPa	20.0 – 35.0
	TD/ transverse direction			15.0 – 25.0
Elongation at Break	MD/ machine direction	ASTM D 882	%	120.0 – 300.0
	TD/ transverse direction			400.0 – 650.0
Tensile (Young's) Modulus	MD/ machine direction	ASTM D 882	MPa	12.0 – 25.0
	TD/ transverse direction			40.0 – 60.0
Puncture Resistance:		ASTM F1306	MPa	0.5 - 2

Storage Requirements: Biodegradable mulch film material shall be stored in its original packaging in a dry, clean and well-ventilated place, at least 1 meter away from heating devices, and shall be protected from moisture, light and direct heat sources; the storage area shall be free from any acid, alkaline and other aggressive media.

TDS is issued on 15-07-2019 Version 1.1. All previous versions of this grade are invalid



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The information contained herein is believed to be true and accurate to the best of our current knowledge. It is intended for general guidance on our products and their applications. The above values shall be treated as recommendations, rather than product specifications. As actual conditions of use are beyond our control, users are advised to carry out their own tests under their specific laboratory and/or actual-use conditions. Our customers are strongly recommended to determine suitability of the products for their specific end use.

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CERTIFICATES: BRC/IOP | OHSAS 18001 | ISO 9001 | ISO 14001 | ISO 22000 | FDA/IMS N°126 |

