



CIRCULATE INITIATIVES.

Plastics are used more sustainably in agricultural practices. We conduct a field validation of **COMPOSTFUL™ SF2110M** to integrate with existing data sets on the performance of soil biodegradable mulch films in real world environments, making data available to farmers and others.

This approaches to field tests would result in an officially certified mulch films made of **COMPOSTFUL™ SF2110M** outlined in international standards. It improves weed control, reduces water consumption, and ultimately helps increase yields just like traditional and non-biodegradable polyethylene mulch films.

The **COMPOSTFUL™ mulch films** function throughout the entire period. We continue efforts for field validation to make sure that they're completely converted to microbial biomass and carbon dioxide in the soil within a specific timeframe.

COMBINE EXPERIENCE.



□ Typical Properties [Blown Film, 15µm]

Property	Test Method	COMPOSTFUL™ SF2110M
Certificates	TUV	Industrial[130µM], Soil*
Density [g/cm ³]	ISO 1183	1.32 - 1.34
Melt Index, 190 °C, 5kg [mL/10min]	ASTM D1238	10.0 - 15.0
Melting Point [°C]	LG Method	110 - 125, 140 - 155
Tensile Strength, 15µM, MD/TD [MPa]	ISO 527	22 / 25
Elongation at Break, 15µM, MD/TD [%]	ISO 527	300 / 500
Dart Drop [g]	ASTM D1709-04 Method A	200

The data in this table are typical values, and not guaranteed specification.

* In progress

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