



Benefit from a revolutionary material

FluidSolids® is an innovative technology developed in Switzerland to produce home-compostable composite materials. As it uses residuals and waste streams, its environmental impact is minimal. FluidSolids® Biocomposites feature exceptional mechanical and environmental properties, making them suitable for use in countless industries.

Data	Norm	Unit	FluidSolids® Range	FS-Basic	FS-Performance
Colors	N/A	N/A	*	Black, brown, beige, grey	Black, brown, beige, grey
Mechanical / Physical					
Prod. of specimen	EN ISO 3167	N/A	Injection Molding *	Injection Molding	Injection Molding
Density	Internal	g/cm ³	0.9 - 1.8 *	1.33	1.47
Young Modulus	EN ISO 527-1	N/mm ²	2500 - 11000 *	7100	7800
Flexural Modulus	EN ISO 178, A	N/mm ²	2500 - 11000 *	7200	7550
Max Tensile Stress	EN ISO 527-1	N/mm ²	20 - 100 *	52	71
Max Tensile Strain	EN ISO 527-1	%	0.5 - 3 *	0.77	1.59
Impact Strength	EN ISO 179-1	KJ/m ²	4 - 50 *	4	18
UV Resistance	Acc. ASTM D4674	N/A	Passed *	Passed	Passed
Heat resistance (HDT)	ISO 75-2-A	°C	55 -90 *	66	69
Conductivity	Internal	Ohm	*	1*exp11	1*exp10
Chemical resistance					
Ketone	Acc. ASTM D 543-95	N/A	*	+	+++
Ester	Acc. ASTM D 543-95	N/A	*	++	+++
Ethanol	Acc. ASTM D 543-95	N/A	*	+	+++
Polar Alkan	Acc. ASTM D 543-95	N/A	*	+++	+++
Oil	Acc. ASTM D 543-95	N/A	*	+++	+++
Ionic salt	Acc. ASTM D 543-95	N/A	*	-	-
Strong base	Acc. ASTM D 543-95	N/A	*	-	-
Strong acid	Acc. ASTM D 543-95	N/A	*	-	-
Environmental					
Home compostable	OECD 301F (1992)	N/A	Yes	Yes	Yes
CO2 footprint	Acc. IPCC (2013)	CO2-eq / kg	*	2.05	Not yet available
Toxic Emissions	Internal	N/A	None	None	None
LCA Screening	ISO 14040 / 14044	Ecoinvent	Available	Available	Available

* adaptable

Notes/ Disclaimer:

Specified minimum values are affected by processing conditions, modifications, additives and environmental conditions. These summarized data have been collected to the best of our knowledge and belief and should only be considered as approximate values.

Specifications subject to change without notice. We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market. This information supersedes all published data. The material data is not to be construed as guaranteeing specific properties. Warranties and liabilities are stated exclusively in our general terms and conditions.