

Typical properties of biodegradable M·VERA® filament compounds

	Unit	M·VERA® F4001 (B0088) ^a	M·VERA® F4002 (B0221) ^a	M·VERA® F4003 (B0270) ^a
Food contact approval EU 10/2011	-	√ ^f	√ ^f	√ ^f
Certificates	-	OK compost INDUSTRIAL ^e	OK compost INDUSTRIAL ^e	OK compost INDUSTRIAL ^e
Biobased carbon content^c	%	~80	~100	~70
Transparency	-	white	transparent	grey
Density	g/cm ³	1.26	1.26	1.43
MVR (190 °C/2.16 kg)	cm ³ /10 min	2–5	2–5	2–5
Tensile modulus^d	MPa	2,450	3,500	2,600
Tensile strength^d	MPa	44	45	30
Elongation at break^d	%	43	<5	30

^a product in development, preliminary data ^c calculated according ISO 16620; TC ^d according ISO 527 -1/-2 ^e certification possible ^f available on request n.a. = not applicable

The information given here is only valid for M·VERA® grades in their original packaging, sold by BIO-FED® and/or its authorized partners. If M·VERA® grades are mixed in any capacity with foreign material, beside masterbatches recommended by BIO-FED®, BIO-FED® declines any further responsibility. M·VERA® grades shall be stored in dry, closed rooms in closed packaging in original state. For keeping the product properties, the material must be protected against direct sun and the temperature must not exceed 50 °C at any time during transport and storage. M·VERA® grades have a remaining shelf life of six (6) months at room temperature (23 °C) from the delivery date. We recommend that products made of M·VERA® grades shall be stored under same conditions. All M·VERA® products listed here can be colored with AF-Eco® masterbatches from AF-COLOR, also certified according to EN 13432. Please note that the use of AF-Eco® might influence the mechanical and/or optical properties of the final part.



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