

Company **Endress+Hauser SE+Co. KG, Hauptstrasse 1, 79689 Maulburg**

being the manufacturer, declares that the “process-contact parts“ of the products

Micropilot Radar

FMR60B

Material group	Material	Order codes	Process-contact parts
Metals	316L ¹⁾	110: VBJ, VEJ, WCJ, WFJ	Process connection
		070: GA	Antenna adapter / Threaded sleeve
Plastics	PTFE ²⁾	070: GA	Antenna
	PVDF ⁴⁾	070: BS	
		110: VEE, WFE	Process connection
		200: A	Seal: PVDF encapsulated
Rubber	EPDM ⁵⁾	200: G	Seal: Gasket

FMR62B

Material group	Material	Order codes	Process-contact parts
Metals	316L ¹⁾	110: A*J, E*J, P*J	Process connection
		070: GA	Antenna adapter / Threaded sleeve
Plastics	PTFE ²⁾	070: GA, GM, GN	Antenna
		110: A*K, E*K, P*K	Process connection
		200: B	Seal: PTFE cladded
Rubber	EPDM ⁵⁾	200: G	Seal: Gasket

FMR63B

Material group	Material	Order codes	Process-contact parts
Metals	316L ¹⁾	110: X2J	Process connection
		620: QH, QI, RA, RB, RC, RD, RE, RF, G, RH, RI, RJ, RK, RL	Process adapter
Plastics	PTFE ²⁾	070: GM, GN	Antenna
		110: 1DK, 1FK, 3EK, 3FK, 3HK	Process connection
		200: B	Seal: PTFE cladded
	PEEK ³⁾	070: GE, GQ, GR	Antenna
		110: 5AK, 5DK, 43K	Process connection
		200: C	Seal: PEEK cladded
Rubber	EPDM ⁵⁾	200: G	Seal: Gasket

are in conformity with following European Regulations:

Regulations Regulation (EC) No. 1935/2004, on materials and articles intended to come into contact with food.
Regulation (EC) No. 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food.

¹⁾ 316L (Stainless Steel):
meets at least the EDQM (European Directorate for the Quality of Medicines & HealthCare) guide from the Council of Europe for metals and alloys used in food contact materials and articles -2nd edition (2024).

²⁾ PTFE:
Regulation (EU) 10/2011 on plastic materials and articles intended to come into contact with food.

- Overall Migration Test:

Test conditions:

Simulant	Temperature	Time
10 % ethanol	100 °C	2 h
4 % acetic acid	100 °C	2 h
Olive oil	175 °C	2 h

Test Results:

Simulant	Limit	Result
10 % ethanol	10 mg/dm ²	passed
	60 mg/kg food	passed
4 % acetic acid	10 mg/dm ²	passed
	60 mg/kg food	passed
Olive oil	10 mg/dm ²	passed
	60 mg/kg food	passed

- Specific Migration Test:

Test conditions:

Simulant	Temperature	Time
95 % ethanol	60 °C	6 h

Test Results:

Two substances with restrictions set out in Annex I (Regulation (EU) 10/2011) are used in production of this polymer. The SML (Specific Migration Limit) for the substances is set to 0.05 mg/kg food and the substances were not detectable in the analysis.

The identity of these substances was only disclosed for testing purposes under a signed non-disclosure agreement to the laboratory commissioned to perform the analysis.

- Sensory Tests
No sensory tests were performed on the product with food simulants. It is recommended that the operator performs sensory tests with the applicable food or food simulant.
- Non-intentionally added substances (NIAS):
To the best of our knowledge, no NIAS are present in the product. Furthermore, our evaluation shows no production processes that add or yield not regulated substances or NIAS in a relevant and/or harmful amount. However, we cannot rule out the presence of NIAS in principle.
- According to the raw material manufacturer, no dual-use additives according to regulation (EC) No 1333/2008 and (EC) No 1334/2008 are used during polymerization or in any step of production.
- Functional barrier:
The material is not a multilayer material and therefore does not contain a functional barrier.

³⁾ PEEK:

Regulation (EU) 10/2011 on plastic materials and articles intended to come into contact with food.

- Overall Migration Test:

Test conditions:

Simulant	Temperature	Time
10 % ethanol	100 °C	2 h
4 % acetic acid	100 °C	2 h
Olive oil	175 °C	2 h

Test Results:

Simulant	Limit	Result
10 % ethanol	10 mg/dm ²	passed
	60 mg/kg food	passed
4 % acetic acid	10 mg/dm ²	passed
	60 mg/kg food	passed
Olive oil	10 mg/dm ²	passed
	60 mg/kg food	passed

- Specific Migration Test:

Test conditions:

Simulant	Temperature	Time
95 % ethanol	60 °C	6 h

Test Results:

Two substances with restrictions set out in Annex I (Regulation (EU) 10/2011) are used in production of this polymer. The SML for one substance is set to 0.05 mg/kg food, for the other substance to 0.6 mg/kg food and the substances were not detectable in the analysis.

The identity of these substances was only disclosed for testing purposes under a signed non-disclosure agreement to the laboratory commissioned to perform the analysis

- Sensory Tests

No sensory tests were performed on the product with food simulants. It is recommended that the operator performs sensory tests with the applicable food or food simulant.

- Non-intentionally added substances:

To the best of our knowledge, no NIAS are present in the product. Furthermore, our evaluation shows no production processes that add or yield not regulated substances or NIAS in a relevant and/or harmful amount. However, we cannot rule out the presence of NIAS in principle.

- According to the raw material manufacturer, the polymer contains substances listed in Commission Regulation (EC) No 1333/2008 defined as dual-use additive, but which are not expected to change the properties of food as specified in Commission Regulation (EU) No 1935/2004.

- Functional barrier:

The material is not a multilayer material and therefore does not contain a functional barrier.

⁴⁾ PVDF

Regulation (EU) 10/2011 on plastic materials and articles intended to come into contact with food.

- Overall Migration Test:

Test conditions:

Simulant	Temperature	Time
10 % ethanol	60 °C	10 days
95% ethanol	60 °C	10 days
Iso-octane	20 °C	10 days
Iso-octane	60 °C	4 h
4 % acetic acid	60 °C	10 days

Test Results:

Simulant	Limit	Result
10 % ethanol	10 mg/dm ²	passed
	60 mg/kg food	passed
95% ethanol	10 mg/dm ²	passed
	60 mg/kg food	passed
Iso-octane	10 mg/dm ²	passed
	60 mg/kg food	passed
Iso-octane	10 mg/dm ²	passed
	60 mg/kg food	passed
4 % acetic acid	10 mg/dm ²	passed
	60 mg/kg food	passed

- Specific Migration Test:

Test conditions:

Simulant	Temperature	Time
95 % ethanol	60 °C	10 days

Test Results:

Three substances with restrictions set out in Annex I (Regulation (EU) 10/2011) are used in production of this polymer. The SML (Specific Migration Limits) for the substances are set to 1 mg/kg respective 5 mg/kg food and the substances were not detectable in the analysis.

The identity of these substances was only disclosed for testing purposes under a signed nondisclosure agreement to the laboratory commissioned to perform the analysis.

- Sensory Tests
The polymer material may influence the taste of the food material. It is recommended that the operator performs sensory tests with the applicable food or food simulant.
- Non-intentionally added substances:
To the best of our knowledge, no NIAS are present in the product. Furthermore, our evaluation shows no production processes that add or yield not regulated substances or NIAS in a relevant and/or harmful amount. However, we cannot rule out the presence of NIAS in principle.
- According to the raw material manufacturer, no dual-use additives according to regulation (EC) No 1333/2008 and (EC) No 1334/2008 are used during polymerization or in any step of production.
- Functional barrier:
The material is not a multilayer material and therefore does not contain a functional barrier.

⁵⁾ EPDM:

The EPDM material complies with the German BfR (*Bundesinstitut für Risikobewertung* / federal agency for risk assessment) recommendations XXI. The material is suitable for all watery, acidic and alcoholic foods as well as dairy products.

Additional information:

The product must be cleaned before use, as appropriate for the application. This declaration of conformity emphasizes that the customer is obliged to test the product regarding its suitability in the application. This declaration of conformity is exclusively valid for the listed products as supplied to customer and without any further modification. Since the conditions of use are beyond Endress+Hauser's control, Endress+Hauser makes no warranties, expressed or implied, and assumes no liability in connection with any use of this declaration.

This declaration of compliance refers to the compliance of the mentioned materials with the listed regulations. No further suitability of the products for a specific purpose shall be derived from this.

Maulburg, 2025-10-17
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