

PRESS INFORMATION

Grilamid "FWA" – new approvals for contact with foodstuffs and drinking water

Due its toughness and resistance to chemicals and hydrolysis, Grilamid polyamide 12 is an exceptionally well suited material for the manufacture of technically challenging components. With the new Grilamid PA12 products in the "FWA" series from EMS-GRIVORY, designers have been provided for the first time with PA12 materials holding a variety of approvals for applications involving contact with foodstuffs and drinking water.

"FWA" stands for "Food and Water Approved". The FWA products now also satisfy US-American requirements for direct, repeated contact with foodstuffs according to FDA (21 CFR § 177.1500 and corresponding paragraphs pertaining to additives). Grilamid FWA has been tested by the NSF and is approved according to the ANSI/NSF Standard 51 "Food Equipment Materials", for contact with foodstuffs at temperatures up to 100 °C (212 °F). In addition, the polymer matrix of the Grilamid FWA products also satisfies European requirements as per the Directive 2002/72/EG and its supplements regarding direct, repeated contact with foodstuffs.

For applications in contact with drinking water at temperatures up to 60 °C, the "FWA" products satisfy the requirements of the ACS (France), WRAS (UK) and KTW (Germany) including W 270, as well as NSF 61 (USA).

The Grilamid FWA product range is made up of PA12 products with a glass-fibre content of 30 % to 65 %. The products are available for delivery from stock at short notice in natural and black. Specific customer colours or formulations are available on request.

Grilamid FWA grades are particularly suitable for substitution of metals such as brass or steel as well as of high-performance polymers in the field of sanitary fittings. These materials are especially suited for the manufacture of components

for drinks vending machines and kitchen equipment as well as for connector elements for municipal gas and water supplies. Due to its low melting point and advantageous solidification behaviour, both very thin-walled parts and very thick-walled high-quality, precision parts with no internal stressing can be manufactured from Grilamid PA12 FWA using injection moulding processes.

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Picture: 3_generations.jpg



Grilamid FWA is excellently suited for contact with water.

Picture: Meter1.jpg



Grilamid FWA is excellently suited for contact with water.

Picture: Meter2.jpg



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