

PRODUCT DESCRIPTION:

PROVISIONAL

Granic[®] 422 is an **ECOLOGICAL** mineral masterbatch specially developed for technical extrusion processes.

Granic[®] 422 is based on a very technical treated ultrafine calcium carbonate with an excellent dispersion rate and combined with a C8 LLDPE to enhance the mechanical properties.

Film | Granic[®] 422 can be used up to 70% replacing virgin or recycled polymer improving impact resistance and tear resistance. It brings stiffness and strength allowing to downgauge without impairing original key mechanical properties. Furthermore, Granic[®] 422 brings additional process advantages: improves the printability, increases the production output and allows decreasing temperatures in process and sealing thanks to its thermal conductivity.

Raffia | Granic[®] 422 can be used up to 25% maintaining the tenacity and increasing elongation at break thanks to the polymeric matrix.

Granic[®] 422 is **100% recyclable, environmentally friendly and just 20 % dependent from crude oil.**

GRANIC[®] 422

Calcium carbonate content	80 %
Polymer content	20 % LLDPE C8
Density	2,0 g/ml
Bulk density	1,2 g/ml
MFI (190 °C/5kg)	1,8 g/10min
Humidity	300 ppm
Whiteness (Ry, C/2, DIN53163)	93,5 %
Top cut (D ₉₈)	6 µm

MAIN APPLICATIONS

Film
Raffia

STANDARD PACKAGING

Bulk
25 kg bags (pallet 1125kg)
1250 kg big bag



Management System
PAS 2050:2011
0,358 Kg CO₂ eq. for kg
of Granic[®] 422
9105057179

All data exposed relate to average values representative of the production and should be considered only for information and not as contract values.

Note: To maintain the initial quality of the product, follow the guidelines as specified in Paragraph 7 as found in its Material Safety Data Sheet.

The information provided in this data sheet is given only as a guide. The transformer shall be responsible for the processing conditions, the end use of the product non-infringement of any third party patent or other intellectual property rights including, without limit, copyright, trademark and designs.

CONFIRMATION

PRODUCT: Granic® 422

We confirm that the components of this product are certified by our suppliers for its use in the manufacture of plastic materials to come in contact with foodstuffs.

EC- Member States

- The components are conform with the requirements of COMMISSION REGULATION (EU) No 10/2011 of 14th January 2011 on plastic materials and articles intended to come into contact with food, ANNEX I, Table1, incl. subsequent amendments like the EU Commission Regulation: 1282/2011 (28.11.2011), 1183/2012 (30/11/2012), 202/2014 (03.03.2014) and 174/2015 (05.02.2015) apply to all EU-Member States.

(The normatives and the requirements of Europe Commission 2002/72/CE of 6 august 2002 and 2004/19/EC (1/3/2004), 2005/79/EC (18/11/2005), 2007/19/EC (2/4/2007), 2008/39/EC (6/3/2008) and (EC) No 975/2009 are repealed).

- In reference to article 3 of regulation (EC) N°1935/2004 concerning the generic product safety requirements of materials and articles intended to come into contact with foodstuffs: This product is manufactured in accordance with good manufacturing practice as outlined in Commission (EC) N° 2023/2006.

- Based on the available documentation from raw materials suppliers, none of the above mentioned food contact regulations or laws based on Comission Regulation (EU) No 10/2011 impose specific migration limits (SML) on the components of this Granic® product.

The rules of the EU Directive 10/2011 include a limit of 10mg/dm² on the overall migration from finished plastics articles into food and it has to be controlled on the finished articles. Manufacturers of finished food contact articles as well as the industrial food packers have to make sure that these articles in their actual use are in compliance with the imposed specific and overall migration requirements.

USA -FDA

We certify, according to our suppliers, that the components of above mentioned Granic® product, appear in the positive list of products accepted for the fabrication of packaging materials for food contact, as published by the Food and Drug Administration (USA) under regulation FDA 21 CFR.

This section in FDA does not include polymers that are used in articles for holding food during cooking.

EC- Packaging directive

Based on the available documentation from raw materials suppliers, GCR Group® confirms that this product complies with the European Parliament and Council Directive 94/62/EC of the 20/12/1994 (as amended by 2004/12/EC, 2005/20/EC and (EC) 219/2009) concerning the defined limit(s) of heavy metals like lead, cadmium, mercury and chromium (VI).

QUALITY ASSURANCE DEPARTMENT

12th May 2015

Gestora Catalana de Residuos S.L.U

Laura Ferrer