

GRANIC 422

TECHNICAL DATA SHEET

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.**

General technical data

Characteristics	Value	Units	Method
Calcium carbonate	80	%	Internal Method
LLDPE C8	20	%	Internal Method
Density	2,0	g/ml	ISO 1183
Bulk density	1,2	g/ml	ASTM D1895B
MFI (190 °C/5 Kg)	1,6	g/10min	ISO 1133
Humidity	300	ppm	Internal Method
Whiteness	93,5	%	Ry, C/2, DIN53163
Top cut (D ₉₈)	6	µm	Mastersizer 2000

Main Applications

Film

Raffia

Standard Packaging

Bulk

25 Kg bags (pallet 1350 Kg)

1250 Kg big bag



Product
Carbon
Footprint
PAS 2050:2011

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0.360 kg CO₂ eq. per 1 kg of Granic 422

The mineral present in this Granic product can migrate if the manufactured product is in contact with substances whose pH is below 4.5.

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.