

NiR DETECTABLE black & colours

CARBON-BLACK FREE



FOOD APPROVED



SORTABLE AND
RECYCLABLE



COTREP CERTIFIED



GABRIEL-CHEMIE
G R



NEXT GENERATION PLASTIC RECYCLING: NIR DETECTABLE BLACK AND COLOURS

The most common pigment for dark and blackcolour shades is carbon black:

- _produced through the incomplete combustion of different tar types
- _most common pigment for black colour shades
- _usage: pigment for plastics, paints and inks, filler for tyres
- _why: aesthetics (tinting strength, matt, glossy), uncomplicated to process, cheap, versatile, fits all aspects of daily life from food packaging to pipelines, computers and textile fibers
- _problem: absorbs NIR light when being sorted, is not recognized, cannot be recycled and ends up being landfilled or incinerated



NIR DETECTABLE MASTERBATCH

Black, dark and coloured plastic products can be easily sorted and recycled.

Requirement: The right raw materials.
NIR detectable masterbatch offers you:

- _NIR-reflective masterbatch - detectable on NIR detectors
- _carbon-black free black colours
- _carbon-black free colours upon request
- _food approved
- _for all processing methods (injection, blow moulding, compression, extrusion)
- _perfect for reuse and recycling of plastics
- _laser markable
- _no decrease of technical properties
- _produced under ISO 9001, 14000, 22000, 13485
- _certified quality by Cotrep*

Contact nir@gabriel-chemie.com for further information and requests for individual requirements.

*Cotrep (Comité Technique pour le Recyclage des Emballages Plastiques – Technical Committee for the Recycling of Plastic Packaging) is an association comprising of Citeo, Elipso, Valorplast and SRT

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