

# Technical datasheet DETECTOPAC PE grey 7090

DETECTOPAC PE grey 7090 is a masterbatch based on PE-LD to modify materials to be detectable. Typical letdown ratio is 10 – 20%, depending on desired detectability. DETECTOPAC PE grey 7090 is suitable for food contact applications according to EC-regulation 10/2011 and FDA regulations. Please contact our customer service for declaration of conformity.

## Properties of DETECTOPAC PE grey 7090

PROPERTY	UNIT	STANDARD	DETECTOPAC PE GREY 7090
Density	g/cm <sup>3</sup>	ISO 1183	2.44
Melting point	°C	DIN EN ISO 11357-1	110

## Processing of DETECTOPAC PE grey 7090

The masterbatch is mixed with the usual PE film grade as a dry-blend prior to processing or in-line by using a weighing system. The processing parameters on the extruder typically remain unchanged. Because the functional fillers used in DETECTOPAC reach particle sizes up to 80 µm, it is recommended to use a melt filter with a filter fineness of 300-500 mesh. The appropriate filter fineness has to be determined by appropriate tests.

You will find further information on DETECTOPAC on our product website [www.detectopac.com](http://www.detectopac.com).

**BARLOG Plastics** is certified according to ISO 9001:2008.

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Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the coloring.

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and wellbeing of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.