

Produktdatenblatt

Lucolor®7137 black

1. Product description

Lucolor®7137 black is based on a carbon black which offers excellent weathering properties. The granules contain 37 % carbon black, the polymer carrier is EBA – Ethylene-n-butyl- acrylate copolymer.

2. Product characteristics

Lucolor®7137 black possesses good opacity and is easy to process making it ideal for high quality extrusion film and moulding applications. Lucolor®7137 black contains a thermal stabiliser.

3. Product advantages

Lucolor®7137 black ensures a total uniform dispersion of carbon black, whilst removing possible contamination problems associated with raw pigment.

4. Processing

Lucolor®7137 black can be used either by feeding polymer and masterbatch into the processing equipment hopper directly or by preblending.

The amount of masterbatch added is dependent upon the required carbon black level in the final compound.

This can be calculated as follows:

$$\% \text{ Lucolor}^{\circledR}7137 \text{ added} = (\text{required carbon black level} / 37) \times 100$$

5. Packaging

Granules in 25 kg bags, standard pallet 1.375 kg. Other packaging upon request.

6. Storage

Lucofin®7137 black should be stored under dry conditions at a temperature below 40°C and protected from UV-light. Otherwise the packaging could be damaged or degradation may occur resulting in odor generation and color changes

We strongly recommend to use the material latest within 6 months after delivery. Storage time in excess of 6 months may have a negative impact on the processability and should be inspected according to quality assurance measures to ensure product's performance

If the product is stored under different conditions, e.g. if the ambient temperature varies greatly and / or the humidity is high, moisture may condense inside the packaging. Under these circumstances, it is recommended to dry the product at max. 60°C.

Unfavorable storage conditions may also contribute to intensify the slight but characteristic odor of the polymer

Granules: sacks of 25 kg each, other packaging on demand.

Typical properties *	Test Method	Units	Limits*
Color			black
Carbon black content	TGA / N2	%	35 - 37
Specific Gravity	ISO 1183	g / cm ³	1,13
Thermal stability	DSC-OIT 240°C	Minutes	> 20
Melt flow index (190°C / 21,6 kg)	ISO 1133	g / 10 Min	19
Blown film dispersion – agglomerates	200 – 500 microns	agglom/g	< 0,2
	> 500 microns	agglom/g	nil
Moisture content	acc. ISO 787-2	%	< 0,2

*These standard values are typical values and should not be regarded as specifications.

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