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**Micromaster**<sup>®</sup>  
Masterbatches

## **PRODUCT NAME : MICROMASTER<sup>®</sup> brown 3303**

### **General Description**

This product contains: pigment, polyolefin and other additives. It's designed for ease of dispersion and it is therefore suitable for direct addition and mixing with plastic resins.

### **Properties**

<b>Name</b>	: MICROMASTER <sup>®</sup> brown 3303
<b>Product Type</b>	: Brown Masterbatch
<b>Appearance</b>	: Granule
<b>Pellet Size</b>	: 3x3 (±0.3) mm
<b>Carrier Resin</b>	: LLDPE
<b>Application</b>	: Film blowing, blow moulding, injection moulding
<b>Compatibility</b>	: LDPE, HDPE, LLDPE, PP
<b>Packaging</b>	: 25 kgs/bag
<b>Storage</b>	: Keep at dry condition

The information contained in this Product Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information provided herein is based on technical data that Microtec believes to be reliable, however Microtec makes no representation or warranty as to the completeness or accuracy therefore and Microtec assumes no liability resulting from its use or for any claims, losses, or damages of any third party. Recipients receiving this information must exercise their own judgement as to the appropriateness of its use, and it is the user's responsibility to assess the material's suitability (including safety) for a particular purpose prior to such use.



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## Technical Information

Classification Test Items	Test Method	Unit	Results
Melt Index (190°C/2160g)	ASTM D 1238	g/10 mins	≤15
Moisture Content	ASTM D 570	wt%	≤0.30
Specific Gravity	ASTM D 792		1.16
Bulk Density		g/cm <sup>3</sup>	0.80
Melting Point		°C	125
Heat Stability		°C	250
Heat Resistance		level	4-5
Let Down		%	1-3 max
Movability Resistance		level	4-5
Light Fastness		level	6

## HEALTH AND SAFETY

Confirm with the European Resolution AP 89 (1) heavy metal content.

## FOOD APPROVAL

MICROMASTER<sup>®</sup> brown 3303 can be used in food packaging according:

- European Union: EU Directive 10/2011 and EU Directive 2002/72/CE and the subsequent amendments; Directive 94/62/CE;
- ITALY: Decreto Ministeriale n. 34 del 21.03.1973 e successivi decreti applicativi;
- GERMANY: BgVO 10.04.1992, Ausgabe April 2003;
- France: J.O. de la Rèp. Francais 13.10.1992 – Brochure nr. 1227; et Arr du 02/01/2003.

## REMARKS

PE – PP, for film colouring, bottles, drums, sheets, pipes, large garbage cans, food containers, trash and garbage bags, housewares.

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