

|                |                                   |
|----------------|-----------------------------------|
| PRODUCER       | PLASTIKA KRITIS SA                |
| PRODUCT        | <b>KRITILEN BLACK 4401P</b>       |
| <i>Version</i> | 090524                            |
| DESCRIPTION    | Black masterbatch in pellet form. |

**PROPERTIES**

|                 |                           |
|-----------------|---------------------------|
| Carrier Resin   | LLDPE (MFI=50gr/10min)    |
| Pigment/Dye     | Carbon black              |
| Pigment Type    | P (particle size 20-25nm) |
| Filler          | No                        |
| Other Additives | Processing Stabiliser     |

**SPECIFICATIONS**

|                             | <b>Range</b>  | <b>Method</b>   |
|-----------------------------|---------------|-----------------|
| Dispersion at 325mesh (bar) | <= 15.0       | OEE-8.2.4-01-08 |
| Total Inorganic Content (%) | 40.00 ± 1.20  | OEE-8.2.4-01-06 |
| Volatile Content (%)        | <= 0.20       | OEE-8.2.4-01-07 |
| Bulk Density (gr/cm3)       | 0.640 - 0.690 | EN ISO60        |
| Density (gr/cm3)            | 1.150         | ASTM D792       |
| Pellet Visual Inspection    | Yes           |                 |

**PRODUCT**

**KRITILEN BLACK 4401P**

*Version*

*090524*

**PACKAGING & STORAGE**

The product comes in regular pellet form and packed in 25 kg bags (pallets of 1000kg). The bags must be stored indoors for a maximum of 12 months and in a dry environment of approximately 25°C.

**FOOD APPROVAL**

The product is produced using raw materials which, according to our suppliers, comply with the following food contact and/or packaging regulations:

Commission Regulation (EU) No. 10/2011: Yes

EU Directive 94/62/EC: Yes

Resolution AP (89) I: Yes

BfR IX Recommendation: Yes

CONEG Regulation: Yes

**APPLICATIONS**

The product offers a convenient way of incorporating carbon-black in thermoplastics, without dust contamination, insuring good dispersion, which is essential for maximum opacity and UV stabilization. Besides, it is based on a special Carbon Black, which due to its small particle size (20-25mm) and to its perfect dispersion, offers to the end product the maximum possible UV protection. The recommended addition rate is 5-7% (optimum 6%).

\* Notice : In order to comply with REG. 10/2011/ EC , the addition rate of black 4401P should not exceed 6 % in the final atricle.

The product is recommended for use in the following applications:

Blow Moulding: o

PP Fibers: +

Film/Sheet: +

Injection Moulding: o

Tapes: +

Thin Films: +

**APPLICATIONS**

*+: Recommended, o: Can be used, x: Not Recommended*

*The above information is based on our knowledge and experience and is given in good faith to be used as recommendations for trials only. As the exact conditions of processing and usage of the finished products are beyond our control, this information is provided without any engagement or warranty from our side. Buyer should verify the suitability of the product and determine the appropriate rate under the actual conditions of applications.*