



Fecha: 03/05/2024 .

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**IDENTIFICATION**

Reference:

**UV PROTECTION AV/E-748**

Array:

**PLASTIC ADITIVE****RECOMMENDED MATERIALS**

<input checked="" type="radio"/>	<b>LD-PE:</b>	<input type="radio"/>	<b>PS</b>	<input type="radio"/>	<b>ABS</b>	<input type="radio"/>	<b>PC</b>	<input type="radio"/>	<b>PVC rígido</b>
<input checked="" type="radio"/>	<b>HD-PE</b>	<input type="radio"/>	<b>SB</b>	<input type="radio"/>	<b>POM</b>	<input type="radio"/>	<b>PMMA</b>	<input type="radio"/>	<b>PVC Plástico</b>
<input checked="" type="radio"/>	<b>PP</b>	<input type="radio"/>	<b>BDS</b>	<input type="radio"/>	<b>PA</b>	<input type="radio"/>	<b>EVA</b>	<input type="radio"/>	<b>Caucho</b>

**Legend:**  Not recommended     Partially recommended     Recommended

**PHYSICAL & CHEMICAL FORM**

<b>Properties</b>	<b>Normal</b>	<b>Value</b>	<b>Units</b>
Physical Form	-	Granular	-
Color	-	Yellowish	-
Thermal stability (*)	-	250	°C
Melting temperature	-	150	°C

**PHYSICAL FORM**

Solid in whitish granules.

**FUNCTION**

The AV/E-748UV masterbatch acts as a HALS stabilizer, whose main aim is to protect the final piece from UV radiation and provides a strong resistance against the oxidation process. Its application delays the early aging of a plastic product that is intended to be exposed to solar radiation or adverse weather conditions. It must be noted that this type of products delays a degradation process that will eventually occur.

**APPLICATION**

A 2% dose will be sufficient for the masterbatch to provide an appropriate protection to most of its applications. The product's optimum dose that provides the maximum protection varies according to the plastic resin that has been used in the process and the thickness of the final piece (please, feel free to contact our laboratory at [laboratorio@colortec.es](mailto:laboratorio@colortec.es))

**MELTING POINT**

Melting point at 150 °C

## INFORMATION ABOUT THE COMPOSITION

- **Masterbatch does not contain:** Pb, Hg, Cd, Cr(VI)
- **Aditivos:** Contiene un aditivo estabilizador a la luz tipo HALS a un antioxidante para proteger la pieza: durante el proceso de transformación y de los procesos oxidativos del medio ambiente.

COMPONENTE	Nº CAS	% pp
Filtro UV	52829-07-9	20%
Antioxidante	6683-19-8	10%

- **Plastic support:** Dispersión de aditivos en soporte plásticos EVA.
- **Other information:** Masterbatch contains CaCO<sub>3</sub> and lubricant additives in order to improve the processing.

## LEGISLATION

The product is supplied in conformity with the following regulations and directives:

- Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
- Directive 2011/65/EU (RoHS) OF THE European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

For further information about legislative affairs (or any other queries), you can contact our Quality Department through the following email address: [calidad@colortec.es](mailto:calidad@colortec.es)

## ADVANTAGES OF USING MASTERBATCH

- **Physical Form:** Pigment encapsulation reduces contamination in the manufacturing process. Besides, the absence of dust has a positive impact on the work environment.
- **Dose:** Unlike powder pigments, it is possible to dose automatically.
- **MOISTURE:** Powder pigments could be highly hygroscopic and, but as masterbatches are encapsulated in plastic support, the moisture absorption is really low.

## OTHER INFORMATION

- **Packaging:** in 25 kg bags.
- **LABELING:** reference, recommended dose for application, batch number and weight.

## IMPORTANT REMARKS

- The product should not be stored in direct sunlight or near sources of thermal energy.