COLORTEC QUÍMICA S.L.

TECHNICAL SHEET

Fecha: 19/05/2024 .
This file replaces sheet with date

IDENTIFICATION

Reference:
AV/521 (AV/ON-29)

AZUL AV/521 (AV/ON-29)

Color Simulation:
RGB (48, 77, 168)
Full tone **2% LDPE**

GENERAL INFORMATION

Masterbatch:
MASTERBATCH

Base polymer:
EVA

Recommended dose:
2% LDPE

RECOMMENDED MATERIALS

●	**LD-PE:**	●	**PS**	●	**ABS**	○	**PC**	●	**PVC rígido**
●	**HD-PE**	●	**SB**	●	**POM**	○	**PMMA**	●	**PVC Plástico**
●	**PP**	●	**BDS**	○	**PA**	●	**EVA**	●	**Caucho**

Legend: ○ Not recomended ◒ Partially recommended ● Recommended

PROCESSING METHODS

●	**Injection**	●	**Blow molding**	●	**Extrusion**	○	**Rotational molding**

Legend: ○ Not recomended ● Recommended

COLORIMETRIC MEASUREMENT

Parameter	Value	Tolerance	Measuring System
Luminance (L*)	35.67	±2	
Chromaticity coordinates (a*)	21.00	±2	
Chromaticity coordinates (b*)	-52.15	±2	
Luminance difference (△L*)	N/A	+-1,0	CIELAB Iluminante D65/10º
Saturation difference (△C*)	N/A	+-1,0	
Tone difference (△h*)	N/A	+-1,0	
Color difference (△E*)	N/A	+-1,5	

Equipment:
SPECTROPHOTOMETER MINOLTA CM-3700D

Measuring System:
CIELAB D65 ILLUMINANT/10º

Measurement Geometry:
D/8

Color Simulation
2% LDPE EVA, RGB(48, 77, 168)

PHYSICAL & CHEMICAL FORM

Properties	Norma	Value	Units
Physical Form	–	Granular	–
Thermal stability (*)	–	280 ºC	–
Light stability (max. 8) (*)	–	7-8	–

INFORMATION ABOUT THE COMPOSITION

- **Masterbatch does not contain:** Pb, Hg, Cd, Cr (VI)
- **Pigments:** Contiene pigmentos inorgánicos.
- **Plastic support:** Pigments dispersion in EVA.
- **Other information:** Masterbatch contains CaCO3 and lubricant additives in order to improve the processing.

LEGISLATION

The supplied product complies with the following standards and directives:

- Regulation (EC) No. 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- Directive 2011/65/EU 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

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.