TUBALL™ MATRIX 814

TECHNICAL DATA SHEET

CONCENTRATE FOR PVC PLASTISOL

TUBALL™ MATRIX 811 beta is a conductive additive for PE rotomolding. TUBALL™ MATRIX 811 beta is available in pasty texture form.

TUBALL™ is a unique graphene nanotube additive from OCSiAl that provides electrical conductivity at ultralow dosage with minimal impact on the rheological and mechanical properties of the host matrix.

APPLICATIONS

- Anti-static PVC plastisol;
- Other applications where electrical conductivity is required.

BENEFITS

- TUBALL™ MATRIX only requires an ultra-low dosage starting from just 0.1 wt.%;
- Allows production of conductive parts that retain bright colors;
- Maintains or even increases mechanical strength;
- Ensures permanent and uniform electrical conductivity without “hot spots”;
- Without a significant increase in viscosity or density of the host material.

PROPERTIES

CONCENTRATE CARRIER	MIXTURE OF EPOXIDIZED SOYBEAN OIL AND POLYMERIC STABILIZING AGENT	
PROPERTY	**TEST METHOD**	**VALUE**
Softering point	ASTM D3461	≥15 °C
Density at 25 °C	ISO 15212-1	0.87 g/ml

PACKAGING

OCSiAl provides TUBALL™ MATRIX 814 samples in plastic containers (50 g concentrate). Industrial volumes are available in different packaging up to 50 kg.

STORAGE AND TRANSPORTATION

The product is stable in unopened original packaging when stored at temperatures between 10°C and 45°C. The recommended storage life is up to 12 months when stored as directed.

SAFETY

To ensure safe handling, the appropriate safety regulations should be observed. OCSiAl recommends that every user should be able to apply the safe handling procedures necessary for the user's applications before any handling or manufacturing takes place. A Safety Data Sheet outlining the hazards and handling methods for TUBALL™ MATRIX 814 is available.

WARRANTIES AND DISCLAIMER

The Products correspond to the chemical composition indicated in the Technical Data Sheet and the Safety Data Sheet supplied with the Product. The information contained in this document (Information) is based on trials carried out by OCSiAl and may contain inaccuracies or errors that could cause injury, loss or damage.

OCSiAl gives no further warranty and makes no further representation regarding the Products and/or the accuracy of Information and/or suggestions for any particular use of the Products or Information, or that suggested use will not infringe any patent. The Products and Information are supplied on an "as is" basis. These express provisions are in place for all warranties, representations, conditions, terms, undertakings and obligations implied by statute, common law, custom, trade usage, course of dealing or otherwise (including implied undertakings of satisfactory quality, conformity with description, fitness for purpose and reasonable skill and care), all of which are hereby excluded to the maximum extent permitted by applicable law.

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