



ELECTROPLAST® UNIVERSAL COMPOUNDING LLP

TECHNICAL DATA SHEET UNIVERSAL COLOR MASTER BATCH (EP 27)

Description:

EP 27 Colour Master batch is a special grade master batch. This master batch is made with Silicon base colour pigment. This is specially developed for **XLFR, EBXL & THHN Insulated and sheathed Cables used in Renewal Energy, Locomotive, Automotive and Aeronautic/Aviation Industries**. It can also be used with different grades of **PE, EVA, and Elastomer** base compounds.

Composition:

EP 27 colour master batch contains a mixture of some special chemicals with Silicon base colour pigment, selected for their superior electrical properties, for dispersed polyolefin. EP 27 colour master batch also contain **UV resistant monomer units**.

Appearance :

Granule free from fines.

Dosages for UV Protection & Colour Fastness:

EP-27 is UV protected master-batches, if clients are using "**UV protective compounds**" then they need to add 0.75 to 1.0% only for the color fastness. If clients are not using "**UV protected compounds**" then they need to add 3.0 to 5.0 % of color masterbatch.

Typical Properties:

Sr.	Parameter	Unit	Test Method	Typical Value
1	Pigment Loading	g/cc	ASTM D-5291	> 30
2	Melt Flow Index	gm/10 min.	ASTM D-1238	> 10
3	Moisture Content	%	ASTM E-203	< 0.05
4	Hardness	Sh-D	ASTM D-2240	< 46

Dispensability :

The EP 27 Colour Master batch will disperse easily in **XLFR, EBXL & THHN** cable compound and no nibs or spots of undispersed pigment will be present.

Shelf Life/Storage:

EP 27 Colour Master batch can be stored for 12 months from the date of manufacturing, without significant deterioration of the quality of material. However, it is recommended to be consumed as soon as possible.

EP 27 Color Master batch is recommended to be stored in a cool, dry & clean environment in unopened original packaging.



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Packaging:

25 Kg packed in Moisture Barrier Multi-layer liner with PP Woven bag.

Processing Guidelines:

It is recommended to dry the master batch at 70- 75°C for about 45 minutes, before using the polymer.

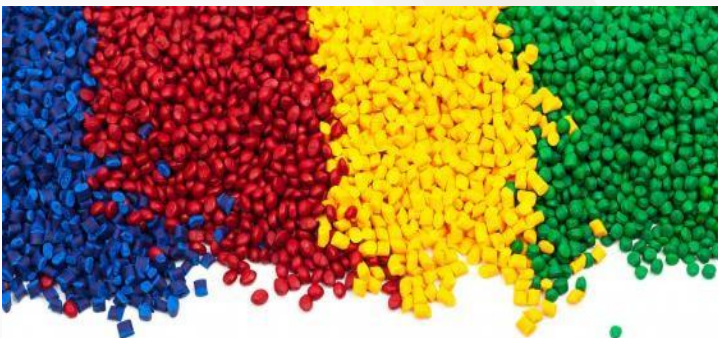
Safety:

EP 27 Colour Master batch is not classified as dangerous preparation.

The products are supplied in the form of free-flowing granules of approx. 2-3 mm size and can be readily handled with commercially available equipment. Handling and transporting products may generate some dust and fines, which constitute a potential hazard for dust explosion. All metal parts in the system should therefore be properly grounded. Properly designed equipment and good housekeeping will reduce the risk. Inhalation of any type of dust should be avoided as it may cause irritation of the respiratory system. The product is intended for industrial use only. MSDS is available on request.

Disclaimer:

- The specifications given are the guidelines only.
- Above compound is suitable to run on different machines; however, some adjustments may be required on individual machine.
- All properties are tested as per ASTM/IS/IEC standards.
- Any data may change without prior information.
- The customers are advised to check the quality prior to commercial use. There is no guarantee and/or warranty whatsoever, after processing.



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