



Ddev Plastiks Industries Limited

TECHNICAL DATA SHEET

KI – BD 01: PVC Dry blend for Rigid Application (General Purpose Electrical Casing) Grade

Description:

KI – BD 01 is suitable for rigid Extrusion applications. **KI – BD 01** is a general-purpose grade vinyl Extrusion Dry Blend characterized by excellent flow, Heat stability, color hold and surface appearance. This makes it an ideal choice of application such as general application, this is formulated with a high-quality resin with high quality stabilizers and other specialty chemicals.

Typical Properties:

KI – BD 01 meets following properties.

Property	Unit	Test Method	Value
Sp. Gravity @27 ⁰ C		ASTM - D – 792	1.450 ± 0.03
Hardness @27 ⁰ C	Shore D	ASTM - D 2240	78 ± 3
Thermal Stability@200 ⁰ C	Minutes	IS : 10810 (60)	≥ 15

*Test specimen made after milling the Dry blend at 170 °C.

Above Values are Typical value of Compound and customer need to check before accepting the TDS.

Processing:

KI – BD 01 can be processed on any good injection molding machine at temperature in the range of 160⁰C- 180⁰C. This is the guideline temperature range; actual temperature should be optimized by the user depending upon the other processing variables. The screw must have a good homogenizing capacity. Preheating of Dry Blend at 90+/-5⁰C is always advisable for better processing.

Packaging:

KI – BD 01 is available in the form of free-flowing Powder and supplied in bags with sealed double layer PE liner to prevent moisture. The finished bag weight is either 25 kg woven sacks bag or in Big bags or Carton Oktabins.

Storage:

KI – BD 01 Compound must be stored at ambient temperature (not exceeding 30⁰C) in closed & unbroken packaging, in order to avoid exposure to sunlight and water absorption. Long stocking time may negatively affect the quality of the material. Therefore, it shall be used within 6 months from compounding date. After this deadline it is necessary to dry the material for use.

Safety:

KI – BD 01 is not classified as a dangerous product group.

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. These are all the typical values only and subject to change without prior intimation. The product is sold upon condition that purchaser should make their own tests to determine the suitability of such product of their particular purpose and purchasers assume all risks and liability for the results of the use of the product.

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