



# Ddev Plastiks Industries Limited

## TECHNICAL DATA SHEET

### PVC FOOT WEAR COMPOUND

**TRANSPARENT COMPACT GRADE- KI – 50**

#### DESCRIPTION :

The PVC Footwear compound is made by high quality PVC resin Suitable for injection moulding application. This is suitably compounded with additives & stabilizer to achieve excellent properties along with good processability and surface gloss.

#### APPLICATIONS:

- Shoes & sole
- Chapples and Midsoles
- Gum Boots etc.
- Transparent Straps

#### SPECIAL CHARACTERISTICS :

- Low volatile generation during processing.
- Excellent surface smoothness.
- Better mechanical properties and dimensional stability.
- Excellent physical and thermal property.
- Excellent adhesion with upper sole component.
- Optimum Balance of properties and processability.
- Excellent flexibility & increase product life.

#### TECHNICAL CHARACTERISTICS :

PROPERTY	TEST METHOD	GRADE NAME –KI-50
Specific gravity before blowing	ASTM-D792	1.16± 0.02
Hardness, shore <sup>o</sup> A	ASTM-D2240	50±2
Thermal Stability@ 200°C minutes	IS 10810(PART-60)1988	50
Tensile Strength, Mpa	IS 10810 (PART-7) 1984	>8.0
Elongation at Break %	IS 10810 (PART-7) 1984	>250
Volatile Loss@130°C for 3 hours, %	IS 6719	0.3

\*Test specimen made after milling the granules and then in compression molded at 140 °C for 10 min with 200kg / cm<sup>2</sup> hydraulic pressure



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## PROCESSING TECHNIQUE :

1. The recommended processing temperatures are 140<sup>0</sup>c to 180<sup>0</sup> c, However the processing Temperature may be adjusted as per requirement for individual operations.
2. The PVC compound KI-50 provides excellent surface finish and outstanding output rates over a broad range of running condition.
3. For smooth processing and better results, it is recommended to preheat the material before use.

**PACKAGING** : Pellet form and packed in 25 kg HDPE woven sacks with inner liner to ensuring prevention from uptake of moisture and contamination.

## STORAGE :

Material shall be kept in a cool dry place.

**NOTE:** \*\*We can also offer Tailor Made compounds with specification of your choice.

The information given in the document is believed to be reliable and is given in good faith but without warranty. The user should test the product to assertion the suitability for intended use. The product specification or the whole document is subject to change without any prior notice.

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