

## Technical Data Sheet

### **Rigid Pvc Compound -PIPE FITTINGS GRADE -KI-100RFG- COLOUR -GREY**

#### DESCRIPTION- GRADE -KI-100RFG

The Rigid PVC compound is made by high quality pvc resin Suitable for injection moulding application. This is suitably compounded with additives ,stabilizer, processing aid and impact modifier to achieve excellent mechanical properties alongwith good processability , output and excellent surface gloss.

#### SPECIAL CHARACTERISTICS

- Excellent surface smoothness .
- Better mechanical properties and dimensional stability
- Good heat deflection temperature.
- Excellent physical and thermal property.
- Balances of properties and processability.

#### TECHNICAL CHARACTERISTICS

Property	Unit , Standards	Values
Specific Gravity	ASTM D-792	1.41
Izod Impact strength (73°F, 4.92 in , injection moulded)	ASTM D-256	6kg-cm/cm
Drop impact resistance (73°F)	ASTM D-4226	5.02 in-lb/mil
Tensile Strength	ASTM D-638	47 Mpa
Elongation at break	ASTM D-638	95%
Thermal Stability	IS10810 PART-60	80 Min
Flexural Modulus	ASTM D-790	2863 Mpa
Durometer Hardness (shore D,10sec, Hand held)	ASTM D-2240	81
Vicat softening	ASTM- D1525	93°C

#### PROCESSING TECHNIQUES

1. The recommended processing temperatures are 160<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 rigid compound provides excellent surface finish and outstanding output rates over a broad range of injecting running condition .
3. For smooth processing and better results it is recommended to preheat the material before use.

#### DELIVERY/PACKAGES

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.

**( We can Offering a wide range of standard compounds and developing customized colour compound on demand )**

**(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.)**