

## TECHNICAL DATA SHEET

PVC FOOT WEAR COMPOUND

**NATURAL TRANSPARENT COMPACT GRADE- TG-60**

**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 alongwith good processability and surface gloss.

**Applications:** Transparent strap, compact shoe sole , running shoe sole & different transparent injection moulding items.

### Special characteristics :

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

### TECHNICAL CHARACTERISTICS :

| PROPERTY                          | TEST METHOD                 | GRADE NAME –TG-60<br>(TRANSPARENT) |
|-----------------------------------|-----------------------------|------------------------------------|
| Specific gravity before blowing   | ASTM-D792, ISO 1183         | 1.19± 0.02                         |
| Hardness, shore <sup>o</sup> A    | ASTM-D2240, ISO 868         | 60±2                               |
| Thermal Stability@ 200°C minutes  | IS 10810(PART-60)1988       | >30                                |
| Tensile Strength, Mpa             | IS 10810 (PART-7) , ISO- 37 | >8.0                               |
| Elongation at Break %             | IS 10810 (PART-7) , ISO-37  | >250                               |
| Volatile Loss@130°C for 3 hours,% | IS 6719                     | 0.2                                |
| ABRASION LOSS , mm3               | DIN 53516                   | 178                                |

\*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

**Colour :** Transparent

**Processing : TG-60** can be moulded on any good injection moulding machine designed different injection moulded item at temperature in the range of 140°C-180°C. 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 granules at 80+/-5°C is always advisable for better processing.

**Packaging:** TG-60 is available in the form of free flowing pellets and supplied in bags with sealed double layer PE liner to prevent moisture. The finished bag weight is 25 kg woven sacks bag .

**Storage and Shelf Life:** Material should be store in moisture free cool & dry place and should be consume within three months from date of manufacturing.

**Safety:** TG-60 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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