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Kimfill 4332

Polypropylene Reinforced Compound

Product Description

Kimfill 4332 is a polypropylene reinforced compound with chopped glass fiber. It has excellent properties such as surface hardness, tensile strength and abrasion resistance, dimension stability and exhibits superior heat resistance as well as high surface quality. Kimfill 4332 can use in make electric/electronic appliance, automobile and mechanical industries etc.

General

| | |
|-------------------|--|
| Material Status | • Commercial: Active |
| Availability | • Middle East, Europe, Asia |
| Additive | • Glass Fiber Reinforcement, 30% Filler by Weight |
| Features | • Good Stiffness • High Heat Stability • Good Process Ability |
| Uses | • Automotive • Electronic, Electrical Appliance • Household and Industrial Parts |
| Appearance | • Black |
| Forms | • Pellets |
| Packaging | • 25 Kg PE Bag |
| Processing Method | • Injection Molding |

| Physical | Nominal Value Unit | Test Method |
|---------------------------------|------------------------|-------------|
| Density | 1.12 g/cm ³ | ISO 1183 |
| Melt Flow Index (230°C, 2.16kg) | 6±1 g/10min | ISO 1133 |
| Filler Content | 30±2 % | ISO 3451-1 |

| Mechanical | Nominal Value Unit | Test Method |
|---|------------------------|-------------|
| Tensile Modulus | 5800 MPa | ISO 527 |
| Tensile Strength | ≥ 65 MPa | ISO 527 |
| Tensile Strain (Break) | 3-5 % | ISO 527 |
| Charpy Unnotched Impact Strength (23°C) | ≥ 45 Kj/m ² | ISO 179 |

Injection

As a guide the following temperature profile and other condition is recommended.

| Zone 1 | Zone 2 | Zone 3 | Zone 4 | Die | Mold Temperature |
|--------------------|-----------|-----------|-------------|-----------|------------------|
| 180-190°C | 190-210°C | 210-220°C | 220-230°C | 230-235°C | 30-60°C |
| Drying Temperature | | | Drying Time | | |
| 80-100 °C | | | 1-2 hr. | | |

Storage

Sacks should be stored in dry/closed condition and protect from sunlight.

Shelf Life

Shelf life at proper storage is at least 18 months from production date, but in case of a long storage time, potential moisture pick-up needs to be eliminated by drying before injection.