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Kimfill 4320

Polypropylene Reinforced Compound

Product Description

Kimfill 4320 is a polypropylene compound hybrid of chopped glass fiber and mineral filler. It has good properties such as surface hardness, tensile strength and abrasion resistance, dimension stability. Kimfill 4320 can use in make electric/electronic appliance, automobile and mechanical industries etc.

General

Material Status	• Commercial: Active
Availability	• Middle East, Europe, Asia
Additive	• 35% Filler by Weight
Features	• Good Stiffness • Good 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	1.25 g/cm ³	ISO 1183
Melt Flow Index (230°C, 2.16kg)	4±1 g/10min	ISO 1133
Filler Content	35±2 %	ISO 3451-1

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	3500 MPa	ISO 527
Tensile Strength	≥ 40 MPa	ISO 527
Tensile Strain (Break)	3-5 %	ISO 527
Charpy Unnotched Impact Strength (23°C)	≥ 25 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	190-200°C	200-215°C	215-220°C	215-220°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.