



TECHNICAL DATA SHEET

KIMIA JAVID SEPAHAN Co.

Newpipe Building, No. 83, Dr. Shariati Street (West), Tohid Ave, Isfahan, Iran

Phone: +98(31)-36937 (Ext 7281-7282)

Fax: +98(31)-62822010

Post Code: 817387685

Email : info@kimijavid.ir

www.kimijavidco.com

Kimfill 4333

Reinforced Polypropylene Compound

Product Description

Kimfill 4333 is a 30% chemically coupled glass fiber reinforced polypropylene compound developed especially for demanding applications in various engineering sectors. Kimfill 4333 has high rigidity and impact strength, very good long term heat resistance, good dimensional stability and good creep resistance also at high temperatures.

General

Material Status	• Commercial: Active
Availability	• Middle East, Europe, Asia
Additive	• 30% Filler by Weight(Glass Fiber), Heat Stabilizer
Features	• Good Stiffness • Good Heat Stability • Good Process Ability
Uses	• Automotive • Electronic, Electrical Appliance • Household and Industrial Parts
Appearance & Form	• Natural, Pellet
Packaging	• 25 Kg Multi-Layer Bag, 1000 kg Jumbo Bag
Processing Method	• Injection Molding

Nominal Value Unit

Test Method

Physical

Density	1.13 g/cm ³	ISO 1183
Melt Flow Index (230°C, 2.16kg)	5±1 g/10min	ISO 1133
Filler Content	30±2 %	ISO 3451-1

Mechanical

Tensile Modulus	6500 MPa	ISO 527
Tensile Strength (5mm/min)	≥ 100 MPa	ISO 527
Tensile Strain (Break)	4 %	ISO 527
Charpy Unnotched Impact Strength (23°C)	≥ 70 KJ/m ²	ISO 179
Charpy notched Impact Strength (23°C)	≥ 12 KJ/m ²	ISO 179

Processing Conditions

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

Zone 1	Zone 2	Zone 3	Zone 4	Die	Drying Time	Drying Temperature
180-190°C	190-210°C	200-210°C	210-220°C	220-235°C	1-2 hr.	80-90 °C

Shelf Life & Storage

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

Note

This documentation is made out based on our tests and experiments in our R&D center with piled up experience and knowledge. And the values are measured on injection molded test specimens. It is suggested that this information contained in this document can be used for general indication. Therefore, you should not construe it as product specifications, and you should do appropriate test before you considering your conditions for newly applications.

Issue Date: Nov. 2019

Issue Number: 01

R&D Department