KIMIA JAVID SEPAHAN Co.

TECHNICAL DATA SHEET

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@kimiajavid.ir
www.kimiajavidco.com

Kimfill 4532

Reinforced Polyamide 66 Compound

Product Description

Kimfill 4532 is a polyamide 66 reinforced compound with chopped glass fiber. It has good properties such as stiffness, strength, hardness, dimensional stability, thermal and creep resistance, and reduced shrinkage. Kimfill 4532 can use in make electric/electronic appliance, automotive and mechanical industries.

General

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

	Nominal Value Unit	Test Method
Physical		
Density	1.33±0.01 g/cm3	ISO 1183
Filler Content	30±2 %	ISO 3451-1
Mechanical		
Tensile Modulus	7500 MPa	ISO 527
Tensile Strength (5mm/min)	≥ 140 MPa	ISO 527
Tensile Strain (Break)	3-4 %	ISO 527
Charpy Unnotched Impact Strength (23°C)	≥ 60 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
270-280°C	280-285°C	285-290°C	285-295°C	290-295°C	2-4 hr.	90-100 °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