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TECHNICAL DATA SHEET

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Kimalloy 3000

Polypropylene Compound

Product Description

Kimalloy 3000 is a block copolymer polypropylene blended with a special elastomer. The material is distinguished by easy processability and combines very good stiffness with high impact strength. This grade has some additives make it resistant against degradation during processing. Kimalloy 3000 has variety of applications specially in automotive industries, appliances and etc.

Applications:

Automotive parts, Battery case

General

Material Status	• Commercial: Active	
Availability	• Middle East, Asia	
Additive	• Anti-Oxidant	
Features	• Good process ability	
Uses	• Automotive parts	• Battery case
Color	• Black	
Forms	• Pellets	
Packaging	• 25 kg PE bag	• 1 ton jumbo bag

Physical	Nominal Value	Unit	Test Method
Melt Flow Index (230°C, 2.16kg)	10.0 ± 2.0	g/10min	ISO 1133
Specific gravity	0.93 ± 0.02	-	ISO 1183

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	> 600	MPa	ISO 527
Tensile Strain (yield)	> 6	%	ISO 527
Tensile Strength (yield)	21 ± 2	MPa	ISO 527
Tensile Strain (Break)	> 100	%	ISO 527
Tensile Strength (Break)	13 ± 1	MPa	ISO 527
Charpy unnotched Impact Strength at 23°C	N.B	kJ/m^2	ISO 179
Charpy notched Impact Strength at 23°C	≥ 15	kJ/m^2	ISO 179
Hardness (5kg)	55 ± 3	Shore D	ISO 868

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	200-210°C	200-210°C	210-220°C	50-70°C

Drying Temperature	Drying Time
70-80 °C	1-2 hr.

Storage& Shelf Life

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

Shelf life at proper storage is at least 24 months from production date, but in case of a long storage time, potential moisture pick-up needs to be eliminated by drying before injection.

Note

- Test results have been achieved in lab condition. Miss handling may give different result and sometimes outside of the standard
- The specifications given are the guidelines only.
- Above compound is suitable to run on different machines; however some adjustments may be required on individual machine.
- The customers are advised to check the quality, prior to commercial use. There is no guarantee and/or warrantee what so ever, after processing

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