



Kimalloy 3050

Polypropylene Compound

Product Description

Kimalloy 3050 is a compound based on PP containing anti UV makes it UV-stabilized. The material is distinguished by easy processability and combines very good stiffness with high impact strength. Kimalloy 3050 has variety of applications specially in automotive industries, appliances and etc.

Applications:

Automotive parts, Bumper

General

Material Status	• Commercial: Active
Availability	• Middle East, Asia
Additive	• Anti UV
Features	• Good process ability
Uses	• Automotive parts
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)	9 ± 2	g/10min	ISO 1133
Specific gravity	0.93 ± 0.02	-	ISO 1183

Mechanical	Nominal Value Unit	Unit	Test Method
Tensile Modulus	> 600	MPa	ISO 527
Tensile Strength (yield)	18 ± 2	MPa	ISO 527
Tensile Strain (Break)	> 100	%	ISO 527
Tensile Strength (Break)	14 ± 2	MPa	ISO 527
Charpy unnotched Impact Strength at 23°C	N.B	kJ/m ²	ISO 179
Charpy notched Impact Strength at 23°C	> 35	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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