



Kimalloy 3436

Ethylene Vinyl Acetate Compound

Product Description

Kimalloy 3436 is a compound of ethylene vinyl acetate copolymer. This product is a thermoplastic elastomer material that has high resistance against sunlight and is suitable for dampers and shock absorbers especially in railway industries. Kimalloy 3436 is suitable for injection molding.

Applications:

Railway Industries

General

Material Status	• Commercial: Active
Availability	• Middle East, Asia
Features	• high processability
Uses	• Railway Industries
Forms	• Pellets
Color	• Black
Packaging	• 25 kg PE bag

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.93 ± 0.02	g/10min	ASTM D792
Melt Flow Index (190°C, 2.16)	2.5 ± 1.0		ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (yield)	9	MPa	ASTM D638
Tensile Modulus	> 100	MPa	ASTM D638
Tensile Strength (Break)	> 15	MPa	ASTM D638
Tensile Strain (Break)	> 400	%	ASTM D638
Hardness (5kg)	44 ± 2	Shore D	ASTM D2240

Injection

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

Zone 1	Zone 2	Zone 3	Zone 4	Die	Mold Temperature
130-140°C	135-145°C	145-155°C	145-155°C	155-165°C	40-50°C
Drying Temperature			Drying Time		
50-60 °C			1-2 hr.		

Storage & Shelf Life

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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