



Kimalloy 3481

Polyethylene Compound

Product Description

Kimalloy 3481 is a compound of polyethylene. This product is designed to give excellent flow properties with better low temperature toughness, stress crack resistance. Kimalloy 3481 is suitable for injection molding.

Applications :

Household Appliances, Compounding for masterbatch production

General

Material Status	• Commercial: Active
Availability	• Middle East, Asia
Features	• High processability
Uses	• Household Appliances
Forms	• Pellets
Color	• Transparent
Packaging	• 25 kg PE bag

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.925 ± 0.01		ISO 1183
Melt Flow Index (190°C, 2.16)	12.0 ± 0.5	g/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 12	MPa	ISO 527
Tensile Strain (Break)	> 350	%	ISO 527
Charpy notched Impact Strength at 23°C	N.B	kJ/m ²	ISO 179

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

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