



Guangzhou Nord New Material Technology Co., Ltd.

Innovative Low Pressure Molding Technology

Technical Data Sheet

# POLYMELT PA 241B

(Electronics) May-2019

## PRODUCT DESCRIPTION

POLYMELT PA 241B provides the following product characteristics:

Technology	Polyamide
Appearance	Black / Amber
Product Benefits	<ul style="list-style-type: none"><li>• Easy moldability</li><li>• Good adhesion to a variety of substrates</li><li>• Excellent moisture resistance</li><li>• Excellent environmental resistance</li><li>• Simplified process flow</li></ul>
Application	Molding compound thermoplastic
Typical Applications	Encapsulation
Flammability Rating	UL 94 V0
Operating Temperature	-20 to +125 °C

POLYMELT PA 241B is a high molecular weight polyamide resin especially designed for hot melt-adhesive use. It is easy to soluble in mixed organic solvent –such as toluene and alcohol type solvent. This resin has the characteristics of high molten viscosity so that it is suitable for applications where high heat resistance and high adhesive strength, especially good toughness even in low temperature and suitable heat shrinkable cable closure and untreated PE film.

## Typical Applications

POLYMELT PA 241B has been formulated to provide the best possible moldability and as wide a molding latitude as possible. Much of the final molding parameters will be determined by the mold design. Although molding and curing conditions will vary from situation to situation, recommended starting ranges are shown above.

## Material Properties

Viscosity @ 200 °C, mPa • s (cP)	11,000 to 20,000
Density, g/cm <sup>3</sup>	0.98
Softening Point, °C	100 ± 5 °C
Molding Temperature, °C	180 to 200
Tensile Strength (kgf / cm <sup>2</sup> )	99 ± 5
Yield Strength (kgf / cm <sup>2</sup> )	52 ± 10
Elongation, %	700 ± 10
Water Absorption after 7 days, %	0.9

## Operating Characteristics

This product doesn't produce the excitant material when it is a solid. After melting into high temperature glue, it can lead to severe burns. Before using the security measures including protective gloves and goggles. ( More details, please refer to MSDS of this product.)

## Directions For Use

Pouring the product into injection machines, melting under the conditions of 180~200 °C, put some pressure on injection for the cooling and molding.

## Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

## Notice

Keep out of reach of children.

In case of contact with skin, rinse with clean water firstly, don't wipe the skin and call a physical attention immediately.

More details, please refer to MSDS of this product.

## Package

20kg/bag.

## Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

POLYMELT PA 241B will absorb moisture from the air. Material from opened containers should be transferred immediately into air tight containers. Material should be stored in sealed containers in a cool dry location in order to maximize shelf life.

Material removed from containers may be contaminated during use. Do not return product to the original container. Nord New Material cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Shelf life: 24 months.



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