

TECHNOMELT PA 652 (e)

(Electronics) June 2015

PRODUCT DESCRIPTION

TECHNOMELT PA 652 (e) provides the following product characteristics:

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Technology	Polyamide	
Appearance	Amber	
Cure	Physical setting	
Application	Molding	
Operating Temperature Range	-40 to 100°C	

TECHNOMELT PA 652 (e) high performance thermoplastic polyamide is designed to meet low pressure molding process requirements. This product can be processed at low processing pressure due to its low viscosity, allowing encapsulation of fragile components without damage.

TECHNOMELT PA 652 (e) is well-suited to applications where excellent adhesion and cold temperature flexibility are demanded.

LIQUID-STATE TYPICAL PROPERTIES

Viscosity @ 210 °C, mPa·s (cP)	4,000
Specific Gravity @ 25 °C	0.98
Softening Point, °C	157 to 165

TYPICAL PROCESS DATA

Handling:

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Molding Temperature, °C	200 to 240

TECHNOMELT PA 652 (e) 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.

SOLID-STATE PROPERTIES

Physical Properties

	Shore Hardness, Shore A	77
	Elongation , at break,%	400
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E	Electrical Properties	
	Dielectric Strength, kV/mm	>14
	Volume Resistivity, ohms-cm	1.0×10 ¹²

TYPICAL PERFORMANCE OF SOLID-STATE MATERIAL

Lap Shear Strength	ISO 4597:
Lab Shear Strendth	. 150 4587:

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Steel	N/mm² 302 (psi) (43,790)
FR4	N/mm² 830 (psi) (120,350)

PERFORMANCE AND RELIABILITY DATA

Surface Insulation Resistance (SIR) Testing	Pass
IPC-TM-650	

GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

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.

STORAGE:

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

TECHNOMELT PA 652 (e) 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. Henkel Corporation 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.

Conversions

(°C x 1.8) + 32 = °F kV/mm x 25.4 = V/mil mm / 25.4 = inches N x 0.225 = lb N/mm x 5.71 = lb/in psi x 145 = N/mm² MPa = N/mm² N·m x 8.851 = lb·in N·m x 0.738 = lb·ft N·m x 0.142 = oz·in mPa·s = cP

Disclaimer

Note

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