THERMELT 875 Grey
POLYAMIDE HOT MELT RESIN

KEY FEATURES
- Mainly Industrial applications
- Standard molding resins

SPECIFICATIONS

PHYSICAL PROPERTIES | VALUE | STANDARD TEST
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Viscosity Brookfield (190°C, 5C4, 50 RPM) [Pa.s] | 2.5-4.0 | ASTM D3236
Softening point [°C] | 136-146 | ASTM D3461
Water Content [%] | < 0.2 | Bostik
Commercial shape | Pellets / Sticks
Packaging | 20Kg bag / 16Kg cardboard

DESCRIPTION
THERMELT 875 grey is a pure copolymer polyamide hot melt resin, non reactive and solvent free, specially designed for Low Pressure Molding applications.

APPLICATIONS
THERMELT 875 is mainly used for molding of electronic/electric components, connectors and cables.

INDICATIVE VALUE

THERMAL PROPERTIES | VALUE | STANDARD TEST
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Vicat temperature (A 120, 10N, 120°C/h) [°C] | / | ISO306
Glass transition (DSC) [°C] | -10 | Bostik

MECHANICAL PROPERTIES | VALUE | STANDARD TEST
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Yield strength (50 mm/min, 23°C) [MPa] | 4.0 | ISO 527
Strength at break (50 mm/min, 23°C) [MPa] | 3.5 | ISO 527
Elongation at break (50 mm/min, 23°C) [%] | 400 | ISO 527
Young modulus (50 mm/min, 23°C) [MPa] | 39 | ISO 527

INDICATIVE VALUE

MISCELLANEOUS PROPERTIES | VALUE | STANDARD TEST
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Density | -1 | Internal test
Water absorption (immersed, 23°C) [%] | 1.2 | ISO 62
Hardness (23°C) [Shore D] | 45 | ISO 868

PROCESSING CONDITIONS

RECOMMENDED PARAMETERS | VALUE
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Melt Temperature Range [°C] | 180-210
Mold Temperature Range [°C] | 20-60
Drying Time (Air oven, thin layer) [h] | 8
Drying Temperature [°C] | 70
Processing Moisture Content [%] | < 0.2

THERMELT 875 can be used in both melter and extruder.
STORAGE STABILITY
The product has a shelf life of 18 months when properly stored in a cool and dry location in closed original packing. Thermelt 875 will absorb moisture from the air. Because of risk of moisture absorption, we highly recommend to store any open bag in a close container.

REGULATION
No substance mentioned in the candidate list of SVHC for authorization published by the European Chemical Agency (16/12/2013), is present at a concentration higher than 0.1% (w/w).
We certify that our products comply with the European directive 2011/65/EU, also called the RoHS directive. We don’t introduce intentionally phthalate derivatives or Phosphorus Elemental (CAS 7723-14-0) in the manufacturing of our Polyamide adhesives.

MSDS is available on www.quick-fds.com

The information given and recommendations made herein are based on Bostik’s research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product’s performance. It is the buyer’s obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product’s suitability for any particular application. The product is sold pursuant to Bostik’s Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.