



BOSTIK

THERMELT® 964 EXP BLACK

POLYAMIDE HOT MELT RESIN

UNDER DEVELOPMENT

KEY FEATURES

- Flexibility at low temperature
- Enhanced adhesion
- UV Resistance
- Wide end-use temperature range

PRODUCT DESCRIPTION

Resin Thermelt® 964 EXP is a pure non-reactive hot melt copolyamide.

FEATURES

- Flexibility at low temperature
- Low glass transition temperature
- Enhanced adhesion
- UV resistance
- Wide end-use temperature range

APPLICATIONS

Resin Thermelt® 964 EXP has been mainly developed for LPM end-uses.

PHYSICAL PROPERTIES

INDICATIVE DATA	VALUE	STANDARD TEST
Viscosity Brookfield (230°C)	[Pa.s] 4.3	ASTM D3236
Softening point (C&B)	[°C] 185	ASTM D3461
Water content	[%] <0.2	Internal test
Density	~1	Internal test
Glass transition (DSC)	[°C] -60°C	Bostik
Flammability	V2	UL 94 internal test
Water absorption (immersed 7 days, 23°C)	[%] 2.5	ISO 62
Colour	Black	

THERMELT®

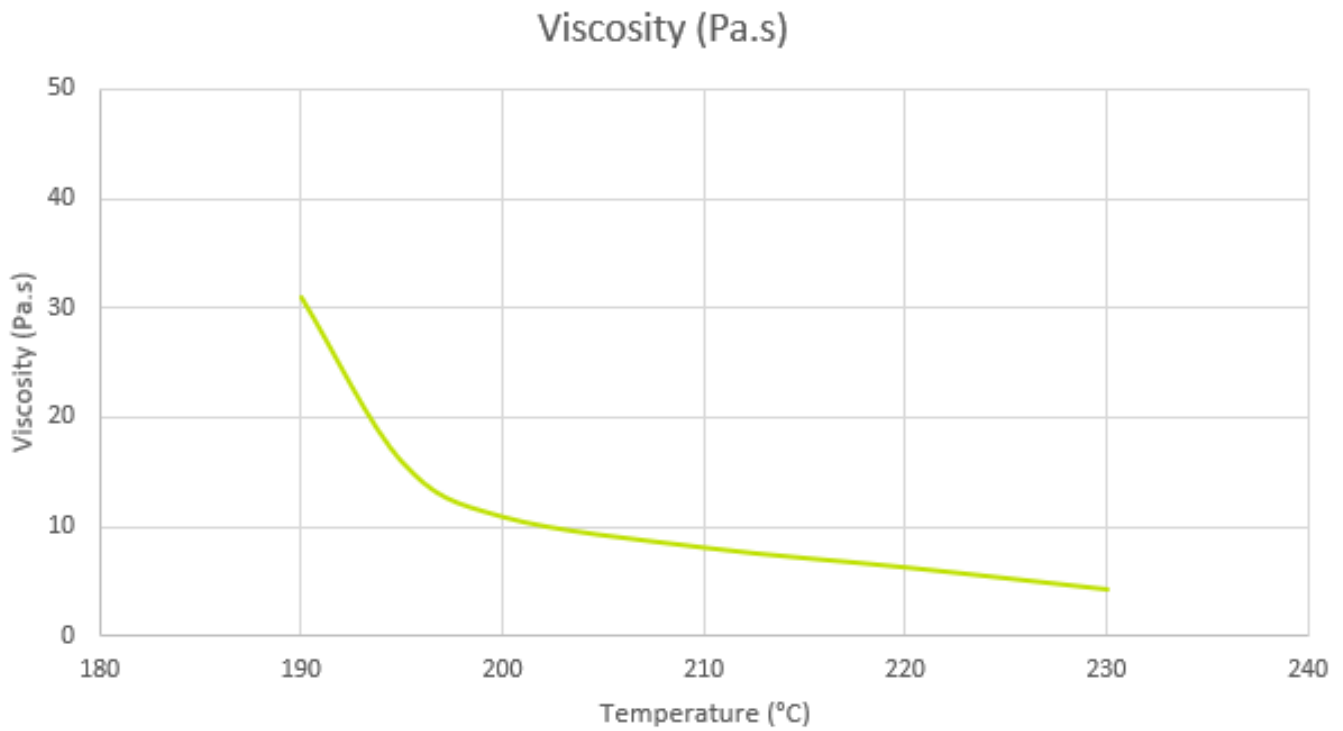
MECHANICAL PROPERTIES

INDICATIVE DATA	VALUE	STANDARD TEST
Max Stress (50 mm/min, 23°C)	[MPa] 5.8	ISO 527
Elongation at break (50 mm/min, 23°C)	[%] 730	ISO 527
Young modulus (50 mm/min, 23°C)	[MPa] 52	ISO 527
Mandrel Bend Flexibility	[°C] - 70	Internal test
Lap shear on PA6	[MPa] 2.0	ISO 4587
Lap Shear on PVC	[MPa] 4.0	ISO 4587

PROCESSING CONDITIONS

RECOMMENDED PARAMETERS	VALUE
Melt Temperature Range	[°C] 195 - 220
Skin time resistance at 200°C	[h] 9
Drying Time (Air oven, thin layer)	[h] 2 - 4
Drying Temperature	[°C] 70

Resin Thermelt® 964 EXP can be used in both melter and extruder.



PACKAGING

For existing packaging sizes, please call your Bostik sales representative.

STORAGE STABILITY

The product has a shelf life of 18 months when properly stored in a cool and dry location in closed original packing. Resin Thermelt® 964 EXP will absorb moisture from the air. Because of risk of moisture absorption, we highly recommend to store any open bag in a close container.

FURTHER INFORMATION

The following publication is available on request:

- Safety Data Sheets (SDS)
- Regulatory Information Sheet (RIS)

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.

SMART HELP

Please contact your local representative

