

TECANYL MT
An economic material for medical technology



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TECANYL™ MT (PPE) is a new shapes offering from ENSINGER and is produced from GE Plastics' NORYL®HNA055 resin. NORYL®HNA055 resin is an excellent material for medical device applications destined for repeated exposure to autoclaving cycles. It has good impact properties and is easily machined.

NORYL®HNA055 BL3B234F resin has been subjected to several biological tests covered in ISO 10993 including systemic toxicity, intracutaneous toxicity, implantation test, cytotoxicity, haemolysis, pyrogenicity and maximisation sensitisation test.

NORYL®HNA055 complies to the EC Directive 2002/72/EC for EUFC (European food contact) respectively to FDA 21CFR177.2460.

TECANYL MT rods are cytotoxicity tested according to ISO 10993-5.

Preferred fields

Medical and food technology

Applications

Surgical instruments, instrument handles, implant trials, sterilisation trays, components, multi-use components

Properties

- | Repeated sterilisation performance: over 1000 sterilisation cycles without loss of mechanical properties
- | Compatible with morpholine. Very resistant to gamma radiation, steam autoclave and ethylene oxide (EtO) sterilisation
- | Good chemical resistance
- | Biocompatibility and food contact compliance
- | Good strength
- | High impact resistance
- | Low density, therefore lighter weight parts
- | Dimensional stability
- | Low warpage
- | Cold and high temperature performance

