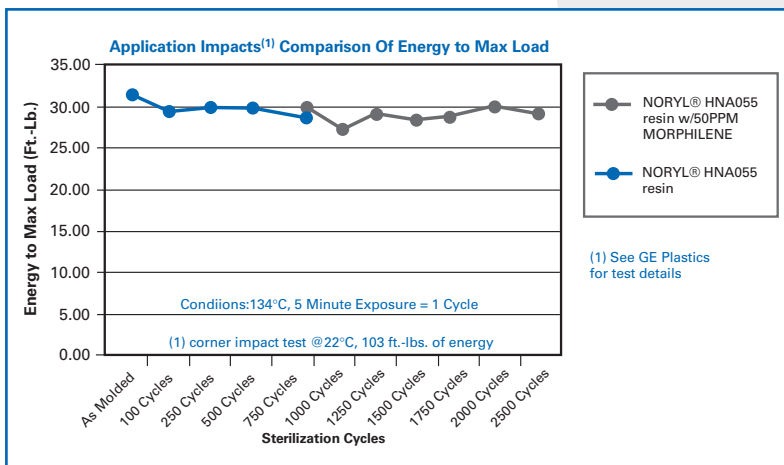


TECANYL™ MT

TECANYL™ MT is a new shape offering from Ensinger Industries and is produced from GE Plastics' NORYL® HNA055 resin. In-house specimen testing performed at GE has demonstrated that NORYL® HNA055 resin is an excellent

material candidate for medical device applications destined for the repeated exposures of 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, hemolysis, pyrogenicity and maximization sensitization test.



COLORS AVAILABLE

- Yellow YL061
- Green GN083
- Grey GY061
- Blue BL033
- Brown BN029

TECANYL™ MT exhibits a broad range of outstanding properties for applications in medical devices where exposure to extreme heat and hygienic measures are demanded.

TYPICAL PROPERTY VALUES

	PROPERTIES	ASTM Test Method	Units	TECANYL™ MT
PHYSICAL	Density	ISO 1183	lbs/in ³	0.03
	Specific Gravity	D792	-	1.08
	Water Absorption, equilibrium, 73°F	ISO 62	%	0.23
	@saturation, 73°F	-	-	-
MECHANICAL	Tensile Strength @ Break, 73°F	D638	psi	9,800
	Tensile Modulus, 73°F	D638	psi	471,000
	Elongation @ Break, 73°F	D638	%	16.3
	Flexural Strength, 73°F	D790	psi	14,600
	Flexural Modulus, 73°F	D790	psi	368,000
	Compressive Strength	-	-	-
	Izod Impact Strength, Notched, 73°F	D256	ft-lbs/in	2.6
	Rockwell Hardness, 73°F	-	-	-
	Shore Hardness	-	-	-
	Wear Factor Against Steel, 40 psi, 50 fpm	-	-	-
	Static Coefficient of Friction	-	-	-
Dynamic Coefficient of Friction, 40 psi, 50 fpm	-	-	-	
THERMAL	Heat Deflection Temperature @ 66 psi	-	-	-
	@264 psi	D648	°F	296
	Coefficient of Linear Thermal Expansion (-40°F to 100°F)	E831	1/°F	4.81E-05
	Maximum Servicing Temperature, Intermittent	-	°F	-
	Long Term	-	°F	-
	Specific Heat	-	-	-
	Thermal Conductivity	-	-	-
Vicat Softening Point, Rate B/50	ISO 306	°F	168	
Applicable Temperature Range for Thermal Expansion	-	-	-	
Flammability	-	-	-	
ELECTRICAL	Surface Resistivity	-	-	-
	Volume Resistivity	-	-	-
	Dielectric Strength	-	-	-
	Dielectric Constant, @ 60 Hz, 73°F, 50% RH	-	-	-
	Dissipation Factor, @ 60 HZ, 73°F	-	-	-
		-	-	-

This information is only to assist and advise you on current technical knowledge and is given without obligation or liability. All trade and patent rights should be observed. All rights reserved. NORYL® - General Electric Company. TECANYL™ MT – Ensinger Industries, Inc.

MATERIAL AVAILABILITY

Rods: Diameters: 1" to 3 1/2"

Plates:

Primary Specification (Typical)

Profiles, tubes, and special sizes are custom-produced on request.



ENSINGER-HYDE

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