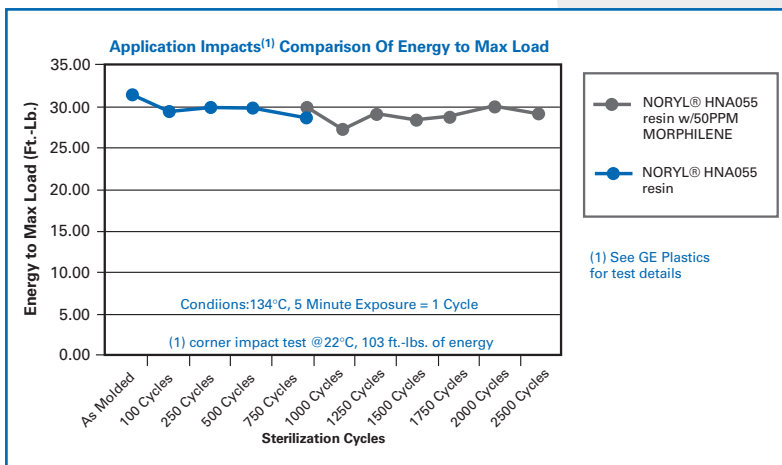


# TECANYL™ MT

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
<b>PHYSICAL</b>	Density	ISO 1183	lbs/in <sup>3</sup>	0.03
	Specific Gravity	D792	-	1.08
	Water Absorption, equilibrium, 73°F	ISO 62	%	0.23
	@saturation, 73°F	-	-	-
<b>MECHANICAL</b>	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	-	-	-	
<b>THERMAL</b>	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	-	-	-	
<b>ELECTRICAL</b>	Surface Resistivity	-	-	-
	Volume Resistivity	-	-	-
	Dielectric Strength	-	-	-
	Dielectric Constant, @ 60 Hz, 73°F, 50% RH	-	-	-
	Dissipation Factor, @ 60 HZ, 73°F	-	-	-
		-	-	-

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## 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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