

# TECAFORM® UD BLUE

TECAFORM® UD Blue is the revolutionary new Ultra Detectable acetal copolymer designed specifically for applications in the food industry. High

speed food production lines detect particulate matter in the food product one of three ways; Using optical scanners, metal detection equipment,

or X-ray equipment TECAFORM® UD Blue is the first engineering thermoplastic that will show up regardless of the scanning method used.

- **Food contact blue in color**
- **High visibility of filler**
- **Detectable by X-ray or metal detection equipment**
- **Plastic chunks as small as 3mm thick detected\***
- **Plastic shavings to 1mm thick detected\***
- **Easily machined**

\*Using standard metal detection equipment

*TECAFORM® UD Blue is perfect for a great number of applications in the food industry. Whether you are looking at food processing, packaging, or conveying, TECAFORM® UD Blue can be an important tool in avoiding costly food product contamination. Typical applications include filler value and pump parts, forming plates and scraper blades, as well as bushings, bearings, cam followers and other parts.*

# TYPICAL PROPERTY VALUES

	PROPERTIES	ASTM Test Method	Units	TECAFORM UD BLUE
<b>PHYSICAL</b>	Density	-	-	-
	Specific Gravity	D 792	gm/cc	1.61
<b>MECHANICAL</b>	Tensile Strength @ Yield	D 638	psi	8450
	Elongation @ Break	D 638	%	7.9
	Tensile Modulus	D 638	ksi	400
	Flexural Strength	D 570	psi	13780
	Flexural Modulus	D 570	ksi	459
	Compressive Strength @ 1% deformation	D 695	psi	2740
	Compressive Strength @ 10% deformation	D 695	psi	12650
	Compressive Modulus	D 695	ksi	264
	Shear Strength	D 732	psi	-
	Izod Impact - Notched	D 256	ft.-lb/in	0.68
	Rockwell M Hardness	D 785	-	89
	Rockwell R Hardness	D 785	-	-
<b>THERMAL</b>	Melting Point	D 3418	*F	320
	Long Term Service Temperature	-	*F	212
<b>ELECTRICAL</b>				

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#### MATERIAL AVAILABILITY

**Rods:** 1", 1.25", 1.5", 1.75", 2", 3", 5" diameter

**Plates:** .5", .75", 1", 1.5", 2", thick

**Primary Specification (Resin) (Typical)**

**Shapes Specification (Typical)**

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

# Ensinger

#### HEADQUARTERS

365 Meadowlands Boulevard  
Washington, Pennsylvania 15301

**Telephone:** 800-243-3221 Sales  
800-869-4029 Technical  
**Fax:** 724-746-9209

e-mail: sales@ensinger-ind.com



DISTRIBUTED BY



## Alro Plastics

2218 Enterprise Jackson, MI 49204  
Ph: 517.787.5500 Fx: 517.787.6380  
Toll Free: 1.800.877.ALRO (2576)  
email: plastics@alro.com