

TECAFORM® UD Blue

Acetal (POM) Copolymer
Ensinger Inc.

Message:

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. 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.

General Information			
Features	Metal Detectable		
	Copolymer		
	Machinable		
	Compliance of Food Exposure		
Uses	Pump parts		
	Bushing		
	Conveyor		
	Fill application		
	Cam		
	Bearing		
Appearance	Blue		
Forms	Shapes		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.61	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	89		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2760	MPa	ASTM D638
Tensile Strength (Yield)	58.3	MPa	ASTM D638
Tensile Elongation (Break)	7.9	%	ASTM D638
Flexural Modulus	3160	MPa	ASTM D790
Flexural Strength	95.0	MPa	ASTM D790
Compressive Modulus	1820	MPa	ASTM D695
Compressive Strength			ASTM D695
1% strain	18.9	MPa	ASTM D695
10% strain	87.2	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	36	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	160	°C	ASTM D3418
Service Temperature - Long Term	100	°C	
Additional Information			

Data obtained from extruded shapes material.

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