Tecaform® UD Blue
(Metal and X-Ray Detectable Acetal Copolymer)

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

Applications:
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.

Property	ASTM Test Method	Units	Tecaform® UD Blue
Physical			
Density		-	-
Specific Gravity	D792	psi	1.61
Mechanical			
Tensile Strength @ Yield	D638	psi	8450
Elongation @ Break	D638	%	7.9
Tensile Modulus	D638	ksi	400
Flexural Strength	D570	psi	13780
Flexural Modulus	D570	ksi	459
Compresssive Strength @ 1% Derformation	D695	psi	2740
Compresssive Strength @ 10% Deformation	D695	psi	12650
Compressive Modulus	D695	ksi	264
Shear Strength	D732	psi	-
Izod Impact - Notched	D256	ft.-lb/in	0.68
Rockwell M Hardness	D785	-	89
Rockwell R Hardness	D785	-	-
Thermal			
Melting Point	D3418	°F	320
Long Term Service Temperature	-	°F	212

*Using standard metal detection equipment.

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets. All values at 73°F (23°C) unless otherwise noted.