



TECAFORM® AH UD Blue

Ultra Detectable Food Grade Blue
Acetal Copolymer Sheet

Description and Overview

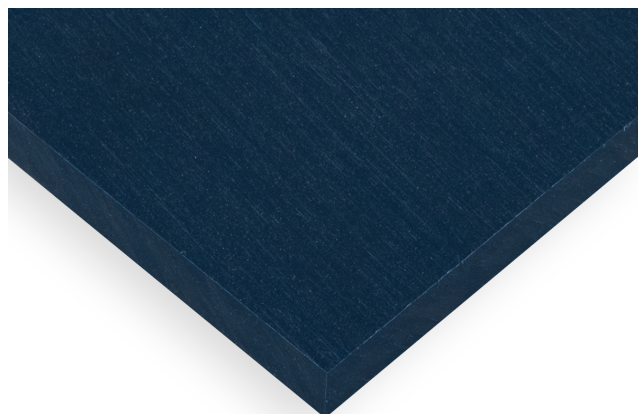
TECAFORM® AH UD Blue is a FDA compliant food-grade acetal copolymer and the first food-grade material that is detectable by all three of the standard particulate detection methods: optical scanners tuned for detecting blue particles, metal detection, and X-ray detection.

Like general purpose acetal, it is easily machined and has great mechanical properties, including very low moisture absorption and good dimensional stability.

Applications and Uses

TECAFORM® AH UD Blue has many uses in the food industry as well as the pharmaceutical industry. It is used to replace parts in food processing systems, including parts for high-speed conveyor belts and beverage filling systems. It is utilized for wear applications and machined into replacement parts to replace metals or non-detectable materials in food processing, food technology, food engineering, and general conveyor technology.

- Food processing
- Food technology
- Food engineering
- Engineering for beverage filling systems
- Conveyor technology
- Packaging paper machinery replacement parts



TECAFORM® AH UD Blue is available in sheet and rod shapes.
Full sheet: 24" x 48"
Thicknesses: .375" to 2"
Rod diameters: 1" to 6" dia.

Properties and Specifications

Property	TECAFORM® AH UD Blue
Density	1.71 g/cm ³
Tensile Modulus	300,000 psi
Tensile Strength (Yield)	7,500 psi
Flexural Modulus	460,000 psi
Flexural Strength	12,500 psi
Hardness, Rockwell	M89
Water Absorption @ 24 hrs.	0.13%
Melting Temperature	329°F
Deflection Temperature	230°F @ 264 psi
Service Temperature	212°F
Affixable Properties	Chem / Mech

Properties are typical.
Chem is an abbreviation for chemically affixed with glues, chemicals, or adhesive.
Mech is an abbreviation for mechanically affixed bonding.
Field testing is recommended for any application.

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