

Ensinger Tecaform™ UD Blue Ultra Detectable Acetal Copolymer (POM)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

TECAFORM® UD Blue is an 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. Features: 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 using standard metal detection equipment Plastic shavings to 1mm thick detected using standard metal detection equipment Easily machined

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ensinger-Tecaform-UD-Blue-Ultra-Detectable-Acetal-Copolymer-POM.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.61 g/cc	1.61 g/cc	ASTM D790

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	89	89	ASTM D785
Tensile Strength, Yield	58.3 MPa	8450 psi	ASTM D638
Elongation at Break	7.9 %	7.9 %	ASTM D638
Tensile Modulus	2.76 GPa	400 ksi	ASTM D638
Flexural Strength	95.01 MPa	13780 psi	ASTM D790
Flexural Modulus	3.16 GPa	459 ksi	ASTM D790
Compressive Strength	18.9 MPa	2740 psi	at 1% deformation; ASTM D695
	87.22 MPa	12650 psi	at 10% deformation; ASTM D695
Compressive Modulus	1.82 GPa	264 ksi	ASTM D695
Izod Impact, Unnotched	0.363 J/cm	0.680 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	ASTM D3418
Maximum Service Temperature, Air	100 °C	212 °F	Long Term; UL746B

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