

UNITAL SFX-0102M Metal Detectable POM (Acetal)

UNITAL SFX-0102M extruded thermoplastic shapes provide users with the strength and dimensional stability inherent in POM-based resins as well as enhanced stiffness provided by the addition of a metallic filler. UNITAL SFX-0102M shapes offer low extractables for applications requiring FDA compliance and are especially well suited for metal detection in food processing applications. UNITAL SFX-0102M is available in multiple rod and plate configurations by special order. Minimums order quantities may apply due to the highly specialized nature of product applications, dependent on configuration.

Typical Physical Properties

Property	Test Method	Unit	Nominal Value*
Mechanical			
Tensile Strength	ASTM D638	psi	7,000
Tensile Elongation @ Break	ASTM D638	%	5-10
Flexural Strength	ASTM D790	psi	10,000
Flexural Modulus	ASTM D790	psi	460,000
Izod Impact (notched)	ASTM D256	ft.-lb./in.	1.4
Rockwell Hardness	ASTM D785	R Scale	100
Thermal			
C.U.T. without impact	UL746B	°F	140
Glass Transition (T _g)	ASTM D3418	°F	320
HDT @ 264 psi	ASTM D648	°F	240
CTE (linear)	ASTM D696	in./in./°F	12
Miscellaneous			
Specific Gravity	ASTM D792	---	1.68
Water Absorption (24 hr.)	ASTM D570	%	<.2
Color	---	---	Blue

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