

MECHETEC Acetal SFX Metal Detectable POM Typical 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 (Tg)	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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Call: 1 (866) 437-7427
Email: info@polymershapes.com
www.polymershapes.com