



# POLYMER INDUSTRIES

## MECHETEC Acetal RCX Typical Properties

Property	Test Method	Units	UNITAL Rcx*
<b>Mechanical</b>			
Tensile Strength @ Yield	ASTM D638	psi	11,000
Tensile Elongation @ Yield	ASTM D638	%	3
Flexural Strength	ASTM D790	psi	12,000
Flexural Modulus of Elasticity	ASTM D790	psi	750,000
Izod Impact (notched)	ASTM D256	ft.- lb./in.	1.0
Hardness	ASTM D2240	Shore D	87
<b>Thermal</b>			
CLTE	ASTM D696	in./in./°F	$3 \times 10^{-5}$
CUT	UL 746	°F	185
Heat Defl. Temp. @ 264 psi	ASTM D648	°F	310
Melting Point	ASTM D3418	°F	324
<b>Electrical</b>			
Surface Resistance	EOS/ESD 311.11	ohm/sq.	$10^3 - 10^5$
Static Decay	FTMS-101C	seconds	< 0.1
<b>Miscellaneous</b>			
Specific Gravity	ASTM D792	--	1.44
Water Absorption/24 hours	ASTM D570	% weight	0.2
Flammability	UL 94	--	HB
Color		--	Black

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