



UniForm 100™

Product Data

UniForm 100™ is a specially processed ultra-low carbon (.01% max.), cold rolled strip steel intended for electromagnetic applications. UniForm 100™ can be supplied in an “annealed” or “soft” condition and possess superior magnetic properties. It can also be supplied in a “pre-tempered” condition. This allows the material to possess its superior magnetic properties after part forming and stress-relief annealing.

Typical Properties of UniForm 100™

APPROXIMATE CHEMICAL ANALYSIS:

	Composition, %					
	C	Mn	P	S	Si	Al
Range -	0.003/0.006	0.35	0.020	0.015	0.04	0.01/0.08
		Max.	Max.	Max.	Max.	

APPROXIMATE MECHANICAL PROPERTIES:

“Annealed” Condition

Yield Strength, KSI	UTS, KSI	Elongation, %	Hardness, RB
20/30	35/47	35 Min.	40 Max.

“Pre-Hardened” Condition

Yield Strength, KSI	UTS, KSI	Elongation, %	Hardness, RB
40/50	43/53	25 Min.	55/70

For additional information on UniForm 100™, or any flat rolled steel products from *Youngstown Specialty Metals, Inc.*, please contact us at:

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