

# STRINGLAB

## alu tour LB

1,25 mm  
mono

temp 25°C - relative humidity 65%



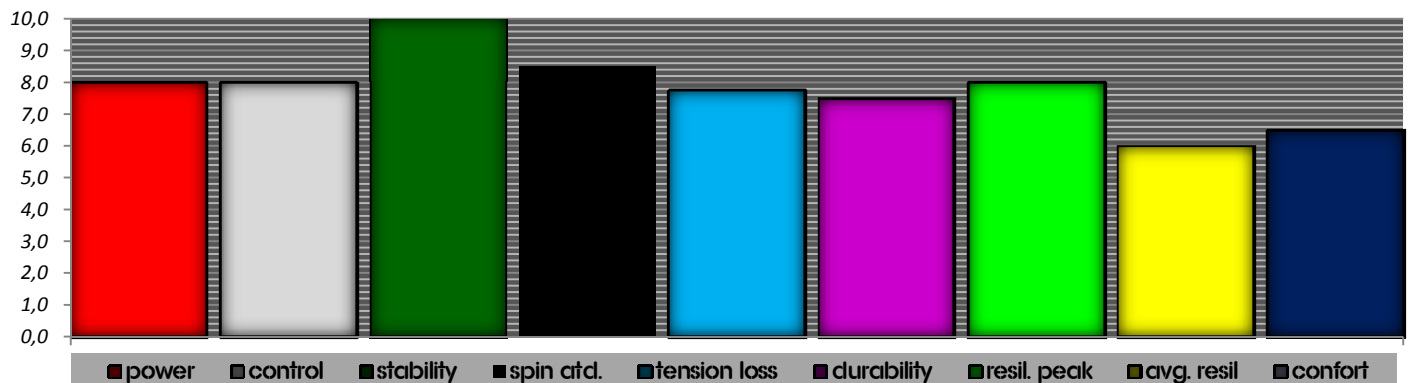
<b>POWER LEVEL</b>	655pnt	8,0/10	power attitude		
<b>CONTROL LEVEL</b>	1020pnt	8,0/10	control attitude	8,0/10	stiffness
<b>STABILITY LEVEL</b>	957pnt	10,0/10	stability attitude-consistency		
<b>SPIN POTENTIAL</b>	1,0	8,5/10			
<b>MAX RESILIENCE RANGE</b>	17kg	21kg	maximum resilience range		
<b>RECOMMENDED TENSION</b>	19kg	23kg			
<b>TENSION LOSS INDEX 300</b>	19%	8,0/10	tension loss after 300" - 5mins		
<b>PLAYING LIFE (tension-resilience)</b>	176%	7,5/10	dyn str life	8 - hrs	12 - hrs (approx.)

<b>RESILIENCE PEAK</b>	75kgmm	8,0/10	reactivity level:	high
<b>AVERAGE RESILIENCE</b>	180kgmm	6,0/10	vs gut	3-cycles
<b>STRING PLANE STIFFNESS 22,5kg</b>		5,5/10	new	⇒ 10+/10 used
<b>STRING PLANE STIFFNESS 27,5kg</b>		7,0/10	new	⇒ 10+/10 used

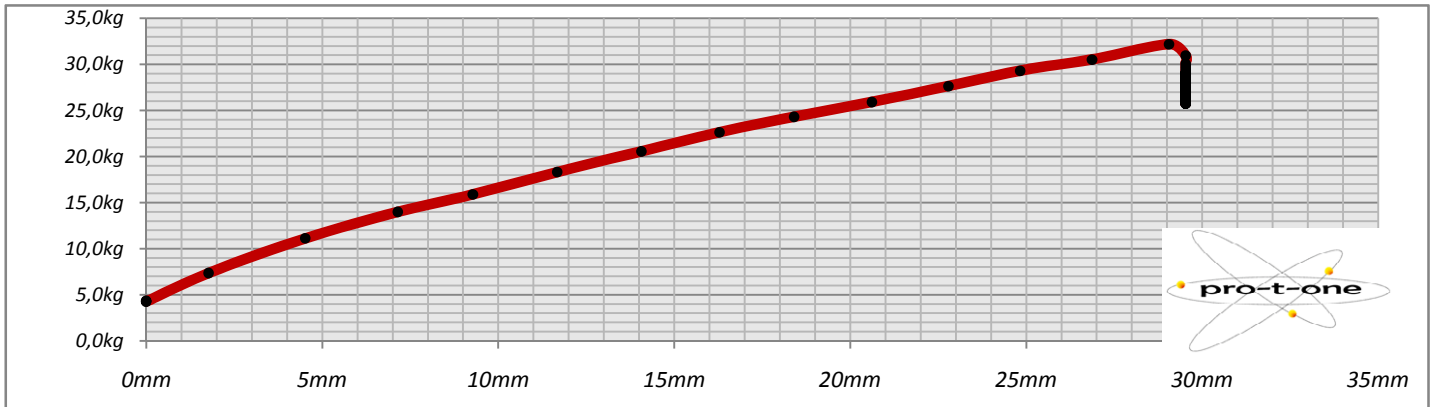
<b>PRESTRECH</b>	NO	recommended %	---	5%
<b>PROGRESSIVE PLASTICIZATION</b>	NO	def. plast.	0,9mm	5%

		kg/mm			kg/mm	
<b>STATIC STIFFNESS 10-15kg</b>	tough	1,20	new	129%	⇒	1,55 used
<b>STATIC STIFFNESS 15-20kg</b>	medium-tough	0,95	new	163%	⇒	1,55 used
<b>STATIC STIFFNESS 20-25kg</b>	medium-tough	0,85	new	176%	⇒	1,50 used
<b>STATIC STIFFNESS 25-30kg</b>	medium	0,75	new	193%	⇒	1,45 used
<b>STATIC STIFFNESS 30-35kg</b>	medium	0,75	new	187%	⇒	1,40 used
<b>AVG. STATIC STIFFNESS 15-30</b>	med-tough	0,85	kg/mm			

		g/mm	
<b>DYNAMIC STIFFNESS</b>	220	±2 g/mm	sample time 20ms
	high	8,0/10	reference tension 20kg
<b>STRING STIFFNESS EMULATOR</b>	230	±2 lb/inch	string length 325mm - deflection 10mm
<b>ARM PROT - CONFORT LEVEL</b>	6,5/10	medium	6,1/10 8,1/10

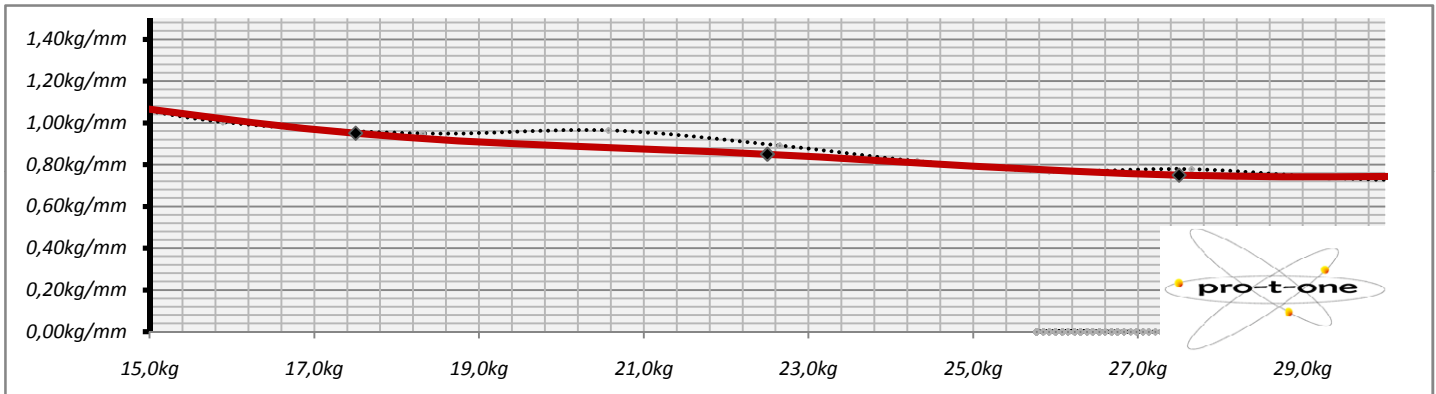


## DEFORMATION - LOAD DIAGRAM

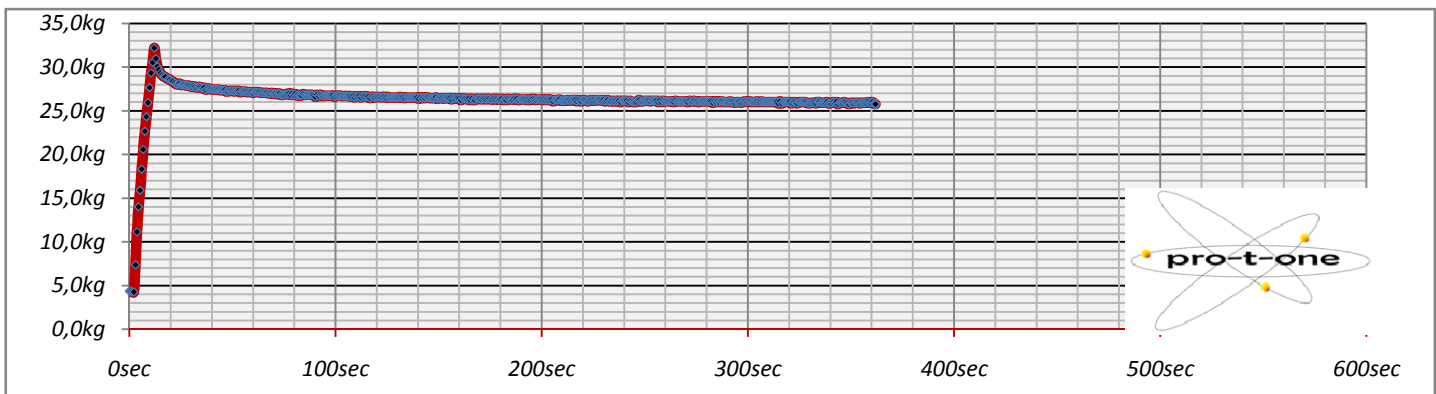


<b>STRINGLAB</b> <b>alu tour LB</b> <b>mono</b>	<b>1,25 mm</b>	temp 25°C - relative humidity 65%	
		<b>sample time</b>	<b>700-800ms</b>
		<b>starting length</b>	<b>300mm</b>
<b>static stiffness 10-15kg</b>	<b>1,20 kg/mm</b>	<b>static stiffness 20-25kg</b>	<b>0,85 kg/mm</b>
<b>static stiffness 15-20kg</b>	<b>0,95 kg/mm</b>	<b>static stiffness 25-30kg</b>	<b>0,75 kg/mm</b>

## STRING STATIC STIFFNESS MODULUS



## TENSION LOSS DIAGRAM



## HYSTERESIS DIAGRAM - LOAD AND UNLOAD CYCLES

