

STRING LAB

alu tour LB

1,30 mm
mono

temp 25°C - relative humidity 65%



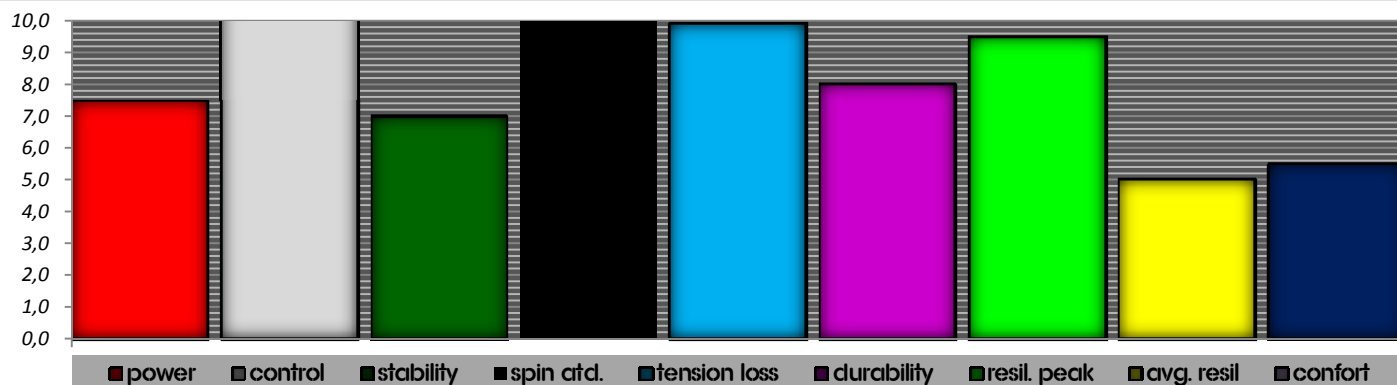
POWER LEVEL	605pnt	7,5/10	power attitude		
CONTROL LEVEL	1360pnt	10+/10	control attitude	10+/10	stiffness
STABILITY LEVEL	714pnt	7,0/10	stability attitude-consistency		
SPIN POTENTIAL	1,0	10+/10			
MAX RESILIENCE RANGE	16kg	20kg	maximum resilience range		
RECOMMENDED TENSION	18kg	22kg			
TENSION LOSS INDEX 300	13%	9,5/10	tension loss after 300" - 5mins		
PLAYING LIFE (tension-resilience)	158%	8,0/10	dyn str life	8 - hrs	12 - hrs (approx.)

RESILIENCE PEAK	90kgmm	9,5/10	reactivity level:	high ++
AVERAGE RESILIENCE	140kgmm	5,0/10	vs gut	6-cycles
STRING PLANE STIFFNESS 22,5kg		8,0/10	new	⇨ 10+/10 used
STRING PLANE STIFFNESS 27,5kg		14,0/10	new	⇨ 10+/10 used

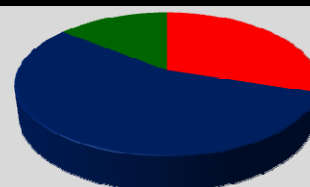
PRESTRECH	NO	recommended %	---	5%
PROGRESSIVE PLASTICIZATION	YES	def. plast.	2,7mm	5%

	kg/mm		kg/mm			
STATIC STIFFNESS 10-15kg	super tough	1,65	new	118%	⇨	1,95 used
STATIC STIFFNESS 15-20kg	tough	1,25	new	152%	⇨	1,90 used
STATIC STIFFNESS 20-25kg	tough	1,10	new	168%	⇨	1,85 used
STATIC STIFFNESS 25-30kg	tough	1,05	new	171%	⇨	1,80 used
STATIC STIFFNESS 30-35kg	tough	1,05	new	157%	⇨	1,65 used
AVG. STATIC STIFFNESS 15-30	tough	1,13	kg/mm			

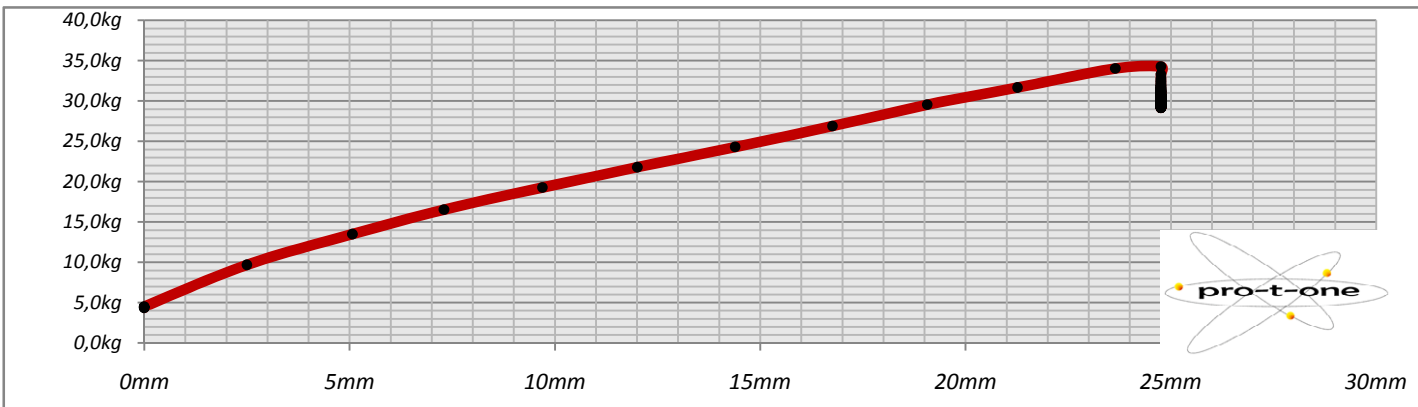
	g/mm				
DYNAMIC STIFFNESS	250	±5 g/mm	sample time 20ms		
	high ++	10,0/10	reference tension 20kg		
STRING STIFFNESS EMULATOR	235	±5 lb/inch	string length 325mm - deflection 10mm		
ARM PROT - CONFORT LEVEL	5,5/10	low	6,1/10	5,9/10	



DEFORMATION --> elastic & plastic	13,5	
RESILIENCE avg. - elastic deformation	4,0	30%
DUCTILITY avg. plastic deformation	7,6	56%
PROGRESSIVE PLASTICIZATION	1,9	14%
super ball response	small tension decay	

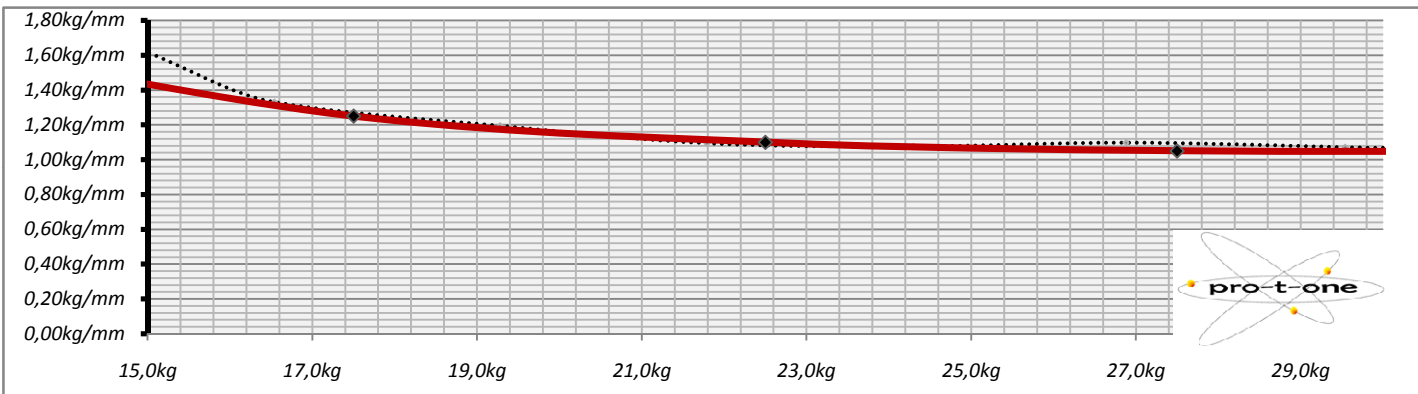


DEFORMATION - LOAD DIAGRAM

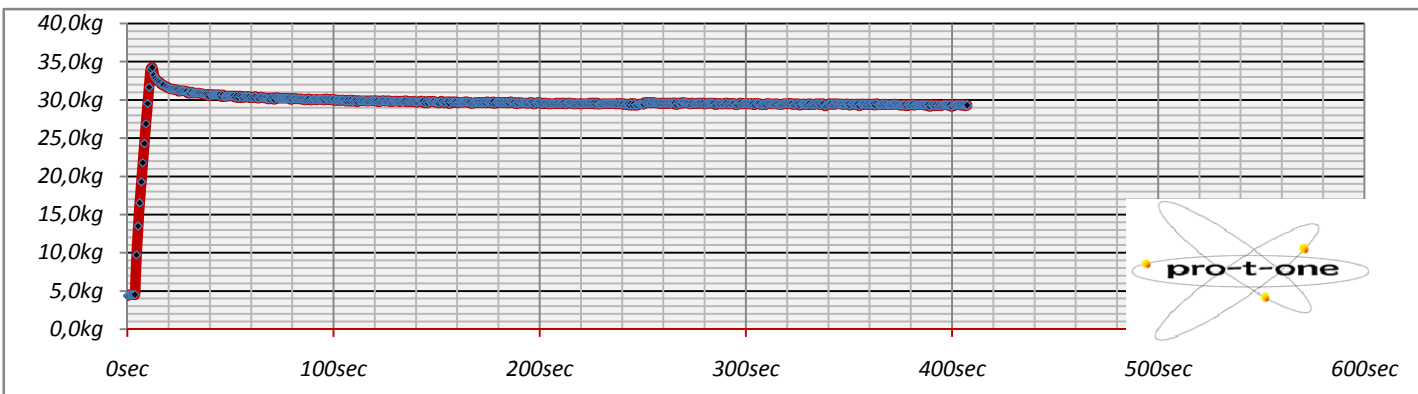


STRING LAB alu tour LB mono	1,30 mm	temp 25°C - relative humidity 65%	
		sample time	700-800ms
		starting length	300mm
static stiffness 10-15kg	1,60 kg/mm	static stiffness 20-25kg	1,05 kg/mm
static stiffness 15-20kg	1,25 kg/mm	static stiffness 25-30kg	1,05 kg/mm

STRING STATIC STIFFNESS MODULUS



TENSION LOSS DIAGRAM



HYSTERESIS DIAGRAM - LOAD AND UNLOAD CYCLES

