Kronoply F**** - Characteristic Values

		Strand direction					
		Major axis			Minor axis		
		Thickness range [mm]					
	d	8 - ≤18	18 - ≤ 25	>25 - 30	8 - ≤18	18 - ≤ 25	>25 - 30
strenght values [N/mm²]							
Panel loading							
Bending	$f_{m,k}$	28,0	23,0	23,0	14,0	12,5	12,5
Panel Shear	$f_{v,k}$	1,5			1,5		
Disk loading							
Bending	$f_{m,k}$	19,5	17,0		13,5	12,5	
Tension	$f_{t,k}$	12,0	10,5		8,0	7,5	
Compression	$f_{c,k}$	14,0	12,5		11,0	10,5	
Panel Shear	$f_{v,k}$	8,0	7,0		8,0	7,0	
stiffness values [N/mm²]							
Panel loading							
Bending	$E_{m,mean}$	6500			3000		
Panel Shear	G_{mean}	100			100		
Disk loading							
Bending	$E_{m,mean}$	3500			2500		
Tension	$E_{t,mean}$	3500			2500		
Compression	$E_{c,mean}$	3500			2500		
Panel Shear	G_{mean}	1000			1000		
The characteristic values for stiffness E_{05} and G_{05} should be used the following factors: E_{05} = 0,9 x E_{mean} and G_{05} = 0,9 x E_{mean}							
general and physical values							
Densitiy acc. to EN 323	m	600 kg/m³					
Tolerance in thickness		± 0,4 mm					
Internal bond acc. to EN 1087-1	σ_{Zy}	0,14	0,12	0,10	0,14	0,12	0,10
Thermal conductivity acc. to EN 13986	λ	0,13 W/mK					
Water vapour diffusion resistance factor	μ	200/300					
Swelling in thickness acc. to EN 317		≤ 9 %					
Formaldehyde emission		E1 – Glue 100% free of formaldehyde < 0,03 ppm					
Use class acc. to ENV 1995-1-1		1 + 2					
Fire resistance class acc. to 13501-1		D- s2,D0					
National Technical Approval		Z-9.1-618					