

Technical Datasheet		Conveyor Belt	
Belt type		FU-20AK	
		U-040 Ver.6	
Applications - Aluminium sash conveyance - Steel plate conveyance - Heavy duty conveyor			
Construction			
	Top side		Bottom side
	Heat-resistance felt		Polyester
	-		-
	-		Fabric
	White		White
	Tension member		Splice
	Polyester		Diagonal step
	Fabric		
	2ply		
	Construction		
Dimensions			
Width/Roll (max.)		950mm	
Width/Endless (max.)		950mm	
Length (max.)		100m	
Total thickness		4.5mm	
Weight		2.4 kg/m²	
Please contact Nitta if you need other dimensions.			
Regulatory compliance			
RoHS(2011/65/EC, (EU)2015/863)			
Features			
Cushioning property			
Will not damage conveyed goods			
200°C possible for conveyed goods			
Accumulation			
Slider bed			
Roller bed			
Properties			
Minimum pulley diameter			
Flexing			
Diagonal step		150mm	
		-	
Back flexing			
Diagonal step		150mm	
		-	
Knife edge		-	
Dynamic properties			
Standard elongation		1.0%	
Tension after relaxation at 1.0%		3.5N/mm	
Initial tension at 1.5%		10.5N/mm	
Tension after relaxation at 1.5%		5.3N/mm	
Operating temperature range		-20~80°C	
Operating temperature range*		-20~80°C	
*When under continuous use			
Tensile properties			
Tensile strength		200N/mm	
Elongation at break		15%	
Maximum allowable tension		10.5N/mm	
Maximum allowable elongation		1.5%	
Coefficient of friction			
Top	vs. Steel	0.2~0.3	
	vs. Paper	0.3~0.4	
Bottom	vs. Steel	0.1~0.3	
	vs. Lagged pulley	0.3~0.6	
	vs. POM (resin)	0.1~0.4	
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