

Technical Datasheet		Conveyor Belt	
Belt type		BC-22DK	
		C-010 Ver.5	
Applications			
▪ Carpet belts for bowling alley		▪ Medium duty conveyor	
▪ Compression belt			
▪ Accumulation conveyor			
Construction			
	Top side		Bottom side
	Polyester		Polyester
	-		-
	Fabric		Fabric
	White		White
	Tension member		Splice
	Polyester		Skiver
	Fabric		
	3ply		
	Construction		
Dimensions		Properties	
Width/Roll (max.)		Minimum pulley diameter	
3,000mm		Flexing	
Width/Endless (max.)		Skiver	
3,000mm		150mm (80mm)	
Length (max.)		Back flexing	
100m		Skiver	
Total thickness		150mm (80mm)	
2.9mm		Knife edge	
Weight		-	
3.1 kg/m²		Dynamic properties	
Please contact Nitta if you need other dimensions.		Standard elongation	
Regulatory compliance		0.5%	
RoHS(2011/65/EC,		Tension after relaxation at 0.5%	
(EU)2015/863)		3.0N/mm	
		Initial tension at 1.0%	
		12.0N/mm	
		Tension after relaxation at 1.0%	
		6.0N/mm	
		Operating temperature range	
		-5~70°C	
		Operating temperature range*	
		-5~70°C	
		*When under continuous use	
Features		Tensile properties	
Cut resistance		Tensile strength	
Cushioning property		220N/mm	
Accumulation		Elongation at break	
Wider widths are available		20%	
Slider bed		Maximum allowable tension	
Roller bed		12.0N/mm	
Pulley diameter of 80 mm is applicable if being used in carpet belt application.		Maximum allowable elongation	
		1.0%	
		Coefficient of friction	
		Top vs. Steel	
		0.1~0.3	
		vs. Paper	
		0.2~0.4	
		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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