

1919

PASSAIC
RUBBER COMPANY

THE WORLD
LEADER IN
RUBBER COVERED
TIMING BELTS



**TIMING BELT
BACKINGS**

**MATERIALS AND
CHARACTERISTICS**

SUPERIOR TIMING BELT BACKINGS

STRENGTH AND FLEXIBILITY



WHETHER YOU ARE FEEDING PRODUCT INTO A PIECE OF EQUIPMENT OR REQUIRING BELTS TO GRAB AND PULL FILM INTO A FINAL PRODUCT, PASSAIC RUBBER CAN SUPPLY VARIOUS PITCH TIMING BELT SIZES WITH A VARIETY OF DIFFERENT RUBBER TOP COVER TYPES AND HARDNESS. THESE BELTS ARE ALL MADE WITH A HOMOGENEOUS, SEAMLESS, RUBBER TOP COVER.

SOME BACKINGS ARE MULTI-FUNCTIONAL WHILE OTHERS ARE HIGHLY SPECIALIZED. THE APPROPRIATE SELECTION OF THE BACKING MATERIAL DEPENDS ON THE INDIVIDUAL APPLICATION. OUR ENGINEERS ARE AVAILABLE TO SPECIFY TIMING BELTS WITH THE BACKING THAT MOST EFFECTIVELY MEETS YOUR REQUIREMENTS.

BELTS WITH BACKINGS, AVAILABLE IN VARIOUS THICKNESSES, OFFER DIFFERENT RANGES OF HARDNESS, DENSITY, ABRASION RESISTANCE, AND COEFFICIENTS OF FRICTION TO SUIT YOUR APPLICATION. WE UTILIZE A HOT VULCANIZED/CHEMICAL BONDING PROCESS TO ADHERE A SEAMLESS BACKING IN THE

TIMING BELT. SUPERIOR KNOW-HOW AND STATE-OF-THE-ART PROCESSES ENSURE A STRONG BOND.

TO MEET THE NEEDS OF YOUR SPECIFIC APPLICATION, PASSAIC RUBBER COMPANY CAN MECHANICALLY REWORK THE TOOTH SIDE AND/OR THE TRANSPORT SIDE OF THE BELT. SEE PAGES 13-14 FOR MORE DETAILS.

THERE ARE MANY CHARACTERISTICS TO CONSIDER WHEN CHOOSING A BACKING FOR YOUR APPLICATION. SOME SPECIAL CONSIDERATIONS ARE SHOWN BELOW. FOR ADDITIONAL INFORMATION, REFER TO THE CHART NEXT TO EACH BACKING MATERIAL ON THE FOLLOWING PAGES.

FRICTION

THE BACKING YOU CHOOSE DEPENDS ON THE TRANSPORT ITEM PROPERTIES AND THE REQUIRED GRIP. CHOOSE HIGH FRICTION FOR A GOOD CARRYING EFFECT, LOW FRICTION FOR ACCUMULATING CONVEYORS. NOTE THAT WHEN BELT LOAD INCREASES SO DOES FRICTION AND THEREFORE HEAT. CHOOSE A SLIDER BED PLATE MATERIAL THAT WILL HAVE A MINIMUM FRICTION VALUE AGAINST THE BELT. FRICTION VALUE INCREASES AS TEMPERATURES RISE AND REDUCES AT TEMPERATURES BELOW FREEZING.

DRIVES WITH BACK-BENDING

TIMING BELTS WITH BACKINGS ARE GENERALLY SUITABLE FOR DRIVES WITH BACK-BENDING. VERY SOFT BACKINGS SUCH AS ELASTOMER SHOULD BE SET UP WITH REDUCED PRETENSIONING. BACKINGS MADE OF NATURAL RUBBER CAN BE USED FOR BACK-BENDING (BACK PULLEYS) BUT ONLY TO A LIMITED EXTENT. PLEASE CONSULT OUR ENGINEERING DEPARTMENT FOR MORE DETAILED INFORMATION.

PULLEY DIAMETER

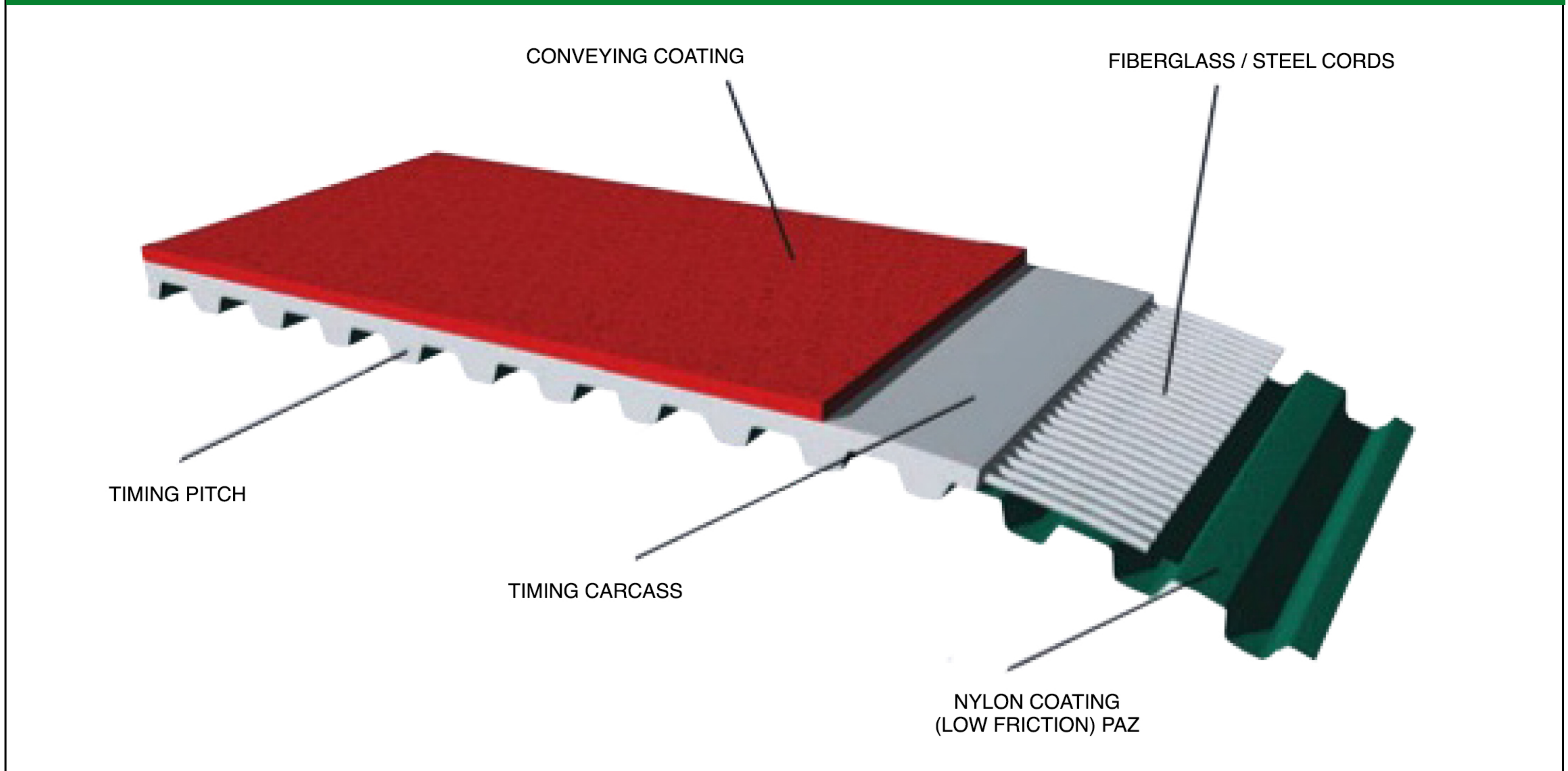
AT LOW AMBIENT TEMPERATURES, THE FLEXIBILITY OF THE BACKING REDUCES. YOU SHOULD THEREFORE SELECT LARGER PULLEY DIAMETERS THAN YOU WOULD AT NORMAL TEMPERATURES. THE FLEXIBILITY OF THE TIMING BELT ALSO REDUCES AT LOW TEMPERATURES.

THE MINIMUM DIAMETERS REFERENCED FOR THE BACKINGS IN THIS CATALOG SERVE AS A GUIDELINE. THEY APPLY AT AN AMBIENT TEMPERATURE OF 20°C (68°F) AND SPEED OF 1 M/S, AND ASSUMING A LOW LOAD BURDEN. IF THE EXACT USAGE DETAILS ARE KNOWN, IT IS POSSIBLE TO REDUCE THE DIAMETERS. LIKewise THE MINIMUM SPECIFIED PULLEY DIAMETERS APPLY FOR HOMOGENOUSLY APPLIED BACKINGS OF EVEN THICKNESS. MACHINED BACKINGS SUCH AS THOSE WITH CUTS OR GROOVES CAUSE NOTCH EFFECTS AND REQUIRE MUCH HIGHER MINIMUM DIAMETERS. IN THESE CASES, OUR ENGINEERS WILL BE HAPPY TO ASSIST YOU.

SUPERIOR TIMING BELT BACKINGS

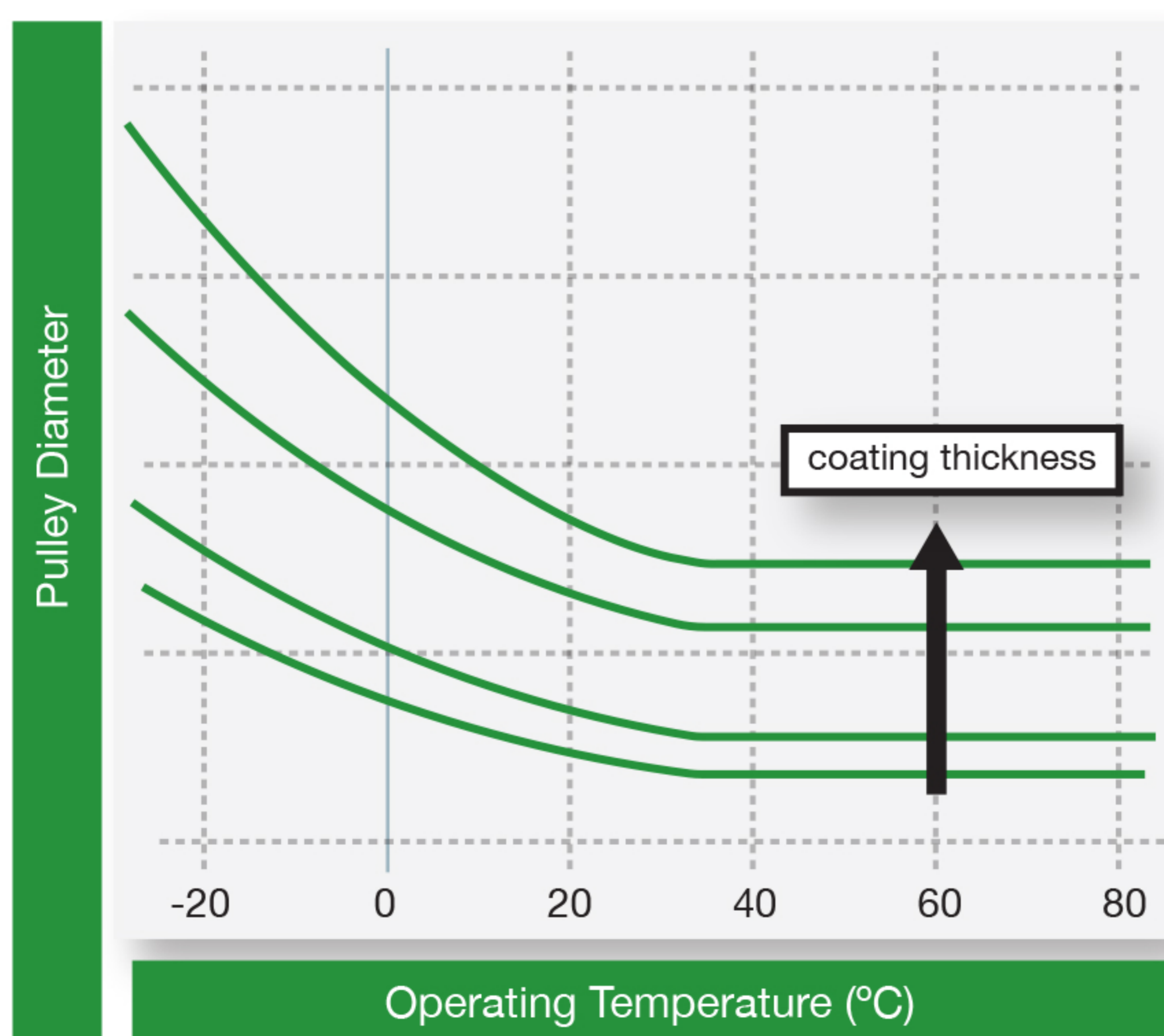
BELT CONSTRUCTION

TIMING BELT PROPERTIES



TEMPERATURE EFFECT

WHEN TRANSPORTING HOT GOODS ABOVE APPROX. 80°C (176°F) THE DURATION OF CONTACT SHOULD BE AS SHORT AS POSSIBLE TO AVOID HEATING THE BELT'S SUBSTRUCTURE TO OVER 80°C (176°F). LIMIT EXPOSURE TO HEAT TO SHORT DISTANCES AND TIMES THEN PROVIDE SUFFICIENT COOLING FOR THE REMAINING REVOLUTION PERIOD. AT TEMPERATURES APPROXIMATELY 60°C (140°) AND UP, THE TOOTH SHEAR STRENGTH REDUCES SLIGHTLY. IF THE TEETH ARE SUBJECTED TO MAJOR STRESS YOU SHOULD INCREASE YOUR SAFETY FACTOR.



RESISTANCE

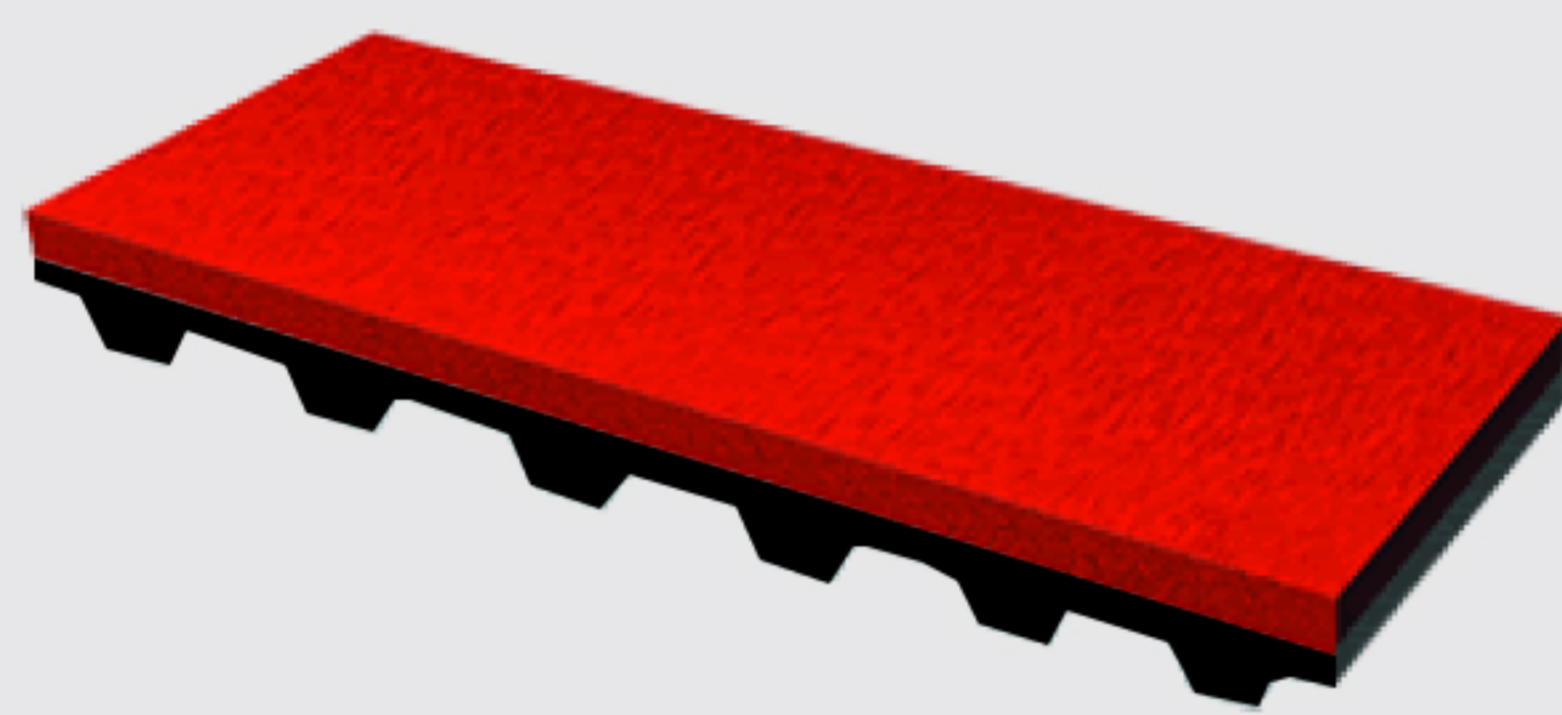
MATERIAL RESISTANCE NEEDS TO BE EVALUATED FOR EVERY APPLICATION. THE MATERIAL RESISTANCE DEPENDS, AMONG OTHER FACTORS, ON THE PH VALUE, THE CONCENTRATION, THE TEMPERATURE AND THE INFLUENCING TIME OF THE MEDIUM. SIMPLE OILS GENERALLY HAVE NO DAMAGING EFFECT ON THE BELT. ADDITIVES IN THE OIL AND TEMPERATURES OVER APPROX. 40°C (104°F) CAN REDUCE THE LONGEVITY.

SYNCHRONIZING PULLEY DIAMETER
DEPENDENT ON TEMPERATURE

TIMING BELT BACKINGS

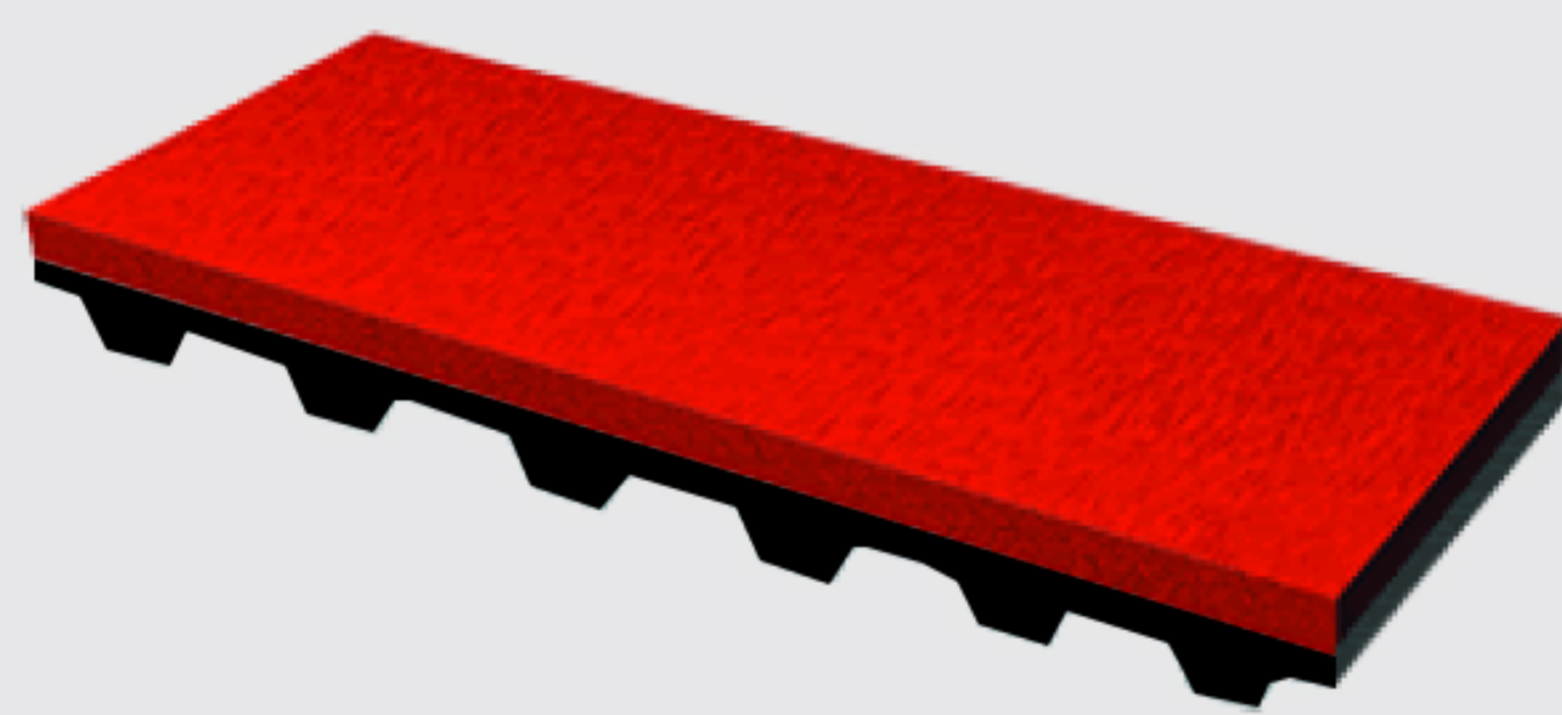
FOR GENERAL CONVEYING

40 A RED NATURAL



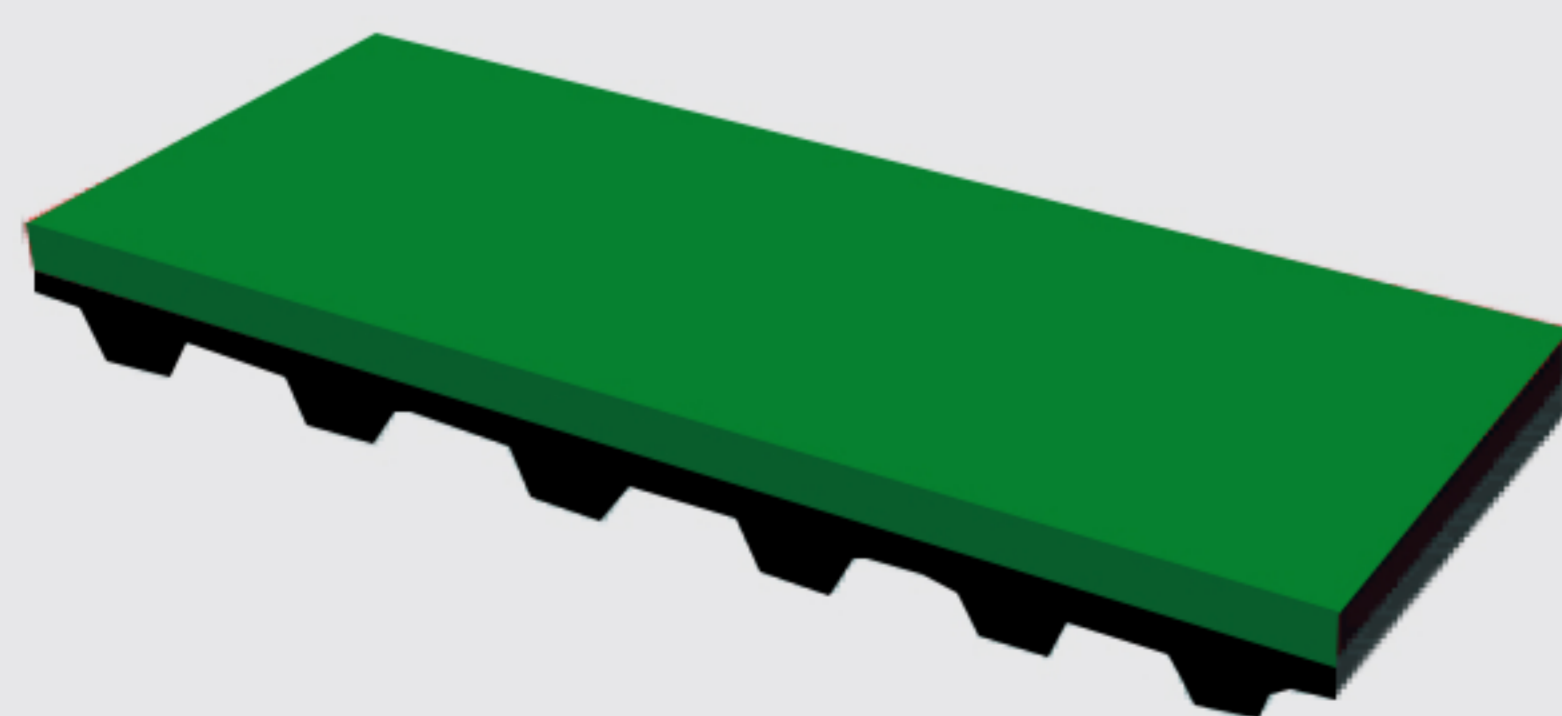
PROPERTIES							
STANDARD THICKNESS (INCH)	0,08	0,12	0,16	0,2	0,24	0,31	0,39
MIN. PULLEY DIAMETER (INCH)	2,36	2,76	3,15	3,54	3,94	4,33	4,72
MATERIAL / HARDNESS	95% NATURAL RUBBER/ APPROX. 38 SHORE A						
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING) -0.04/+0.07 INCH (GROUND ±0.01 INCH POSSIBLE)						
TEMPERATURE RESISTANCE	-40°C TO +70°C (-40°F TO 158°F)						
CHEMICAL RESISTANCE	OIL-PROOF TO A LIMITED EXTENT, RESISTANT TO WET ABRASION, WATER RESISTANT, AVOID EXPOSURE TO DIRECT SUNLIGHT						
MACHINABILITY	CONTOURS CAN BE GROUND AND MILLED TO SOME EXTENT						
NOTE	*HEAVIER THICKNESS AVAILABLE UPON REQUEST						

60 A RED NATURAL



PROPERTIES							
STANDARD THICKNESS (INCH)	0,08	0,12	0,16	0,2	0,24	0,31	0,39
MIN. PULLEY DIAMETER (INCH)	2,36	2,76	3,15	3,54	3,94	4,33	4,72
MATERIAL / HARDNESS	95% NATURAL RUBBER/ APPROX. 38 SHORE A						
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING) -0.04/+0.07 INCH (GROUND ±0.01 INCH POSSIBLE)						
TEMPERATURE RESISTANCE	-40°C TO +70°C (-40°F TO 158°F)						
CHEMICAL RESISTANCE	OIL-PROOF TO A LIMITED EXTENT, RESISTANT TO WET ABRASION, WATER RESISTANT, AVOID EXPOSURE TO DIRECT SUNLIGHT						
MACHINABILITY	CONTOURS CAN BE GROUND AND MILLED TO SOME EXTENT						
NOTE	*HEAVIER THICKNESS AVAILABLE UPON REQUEST						

50 A GREEN NITRILE

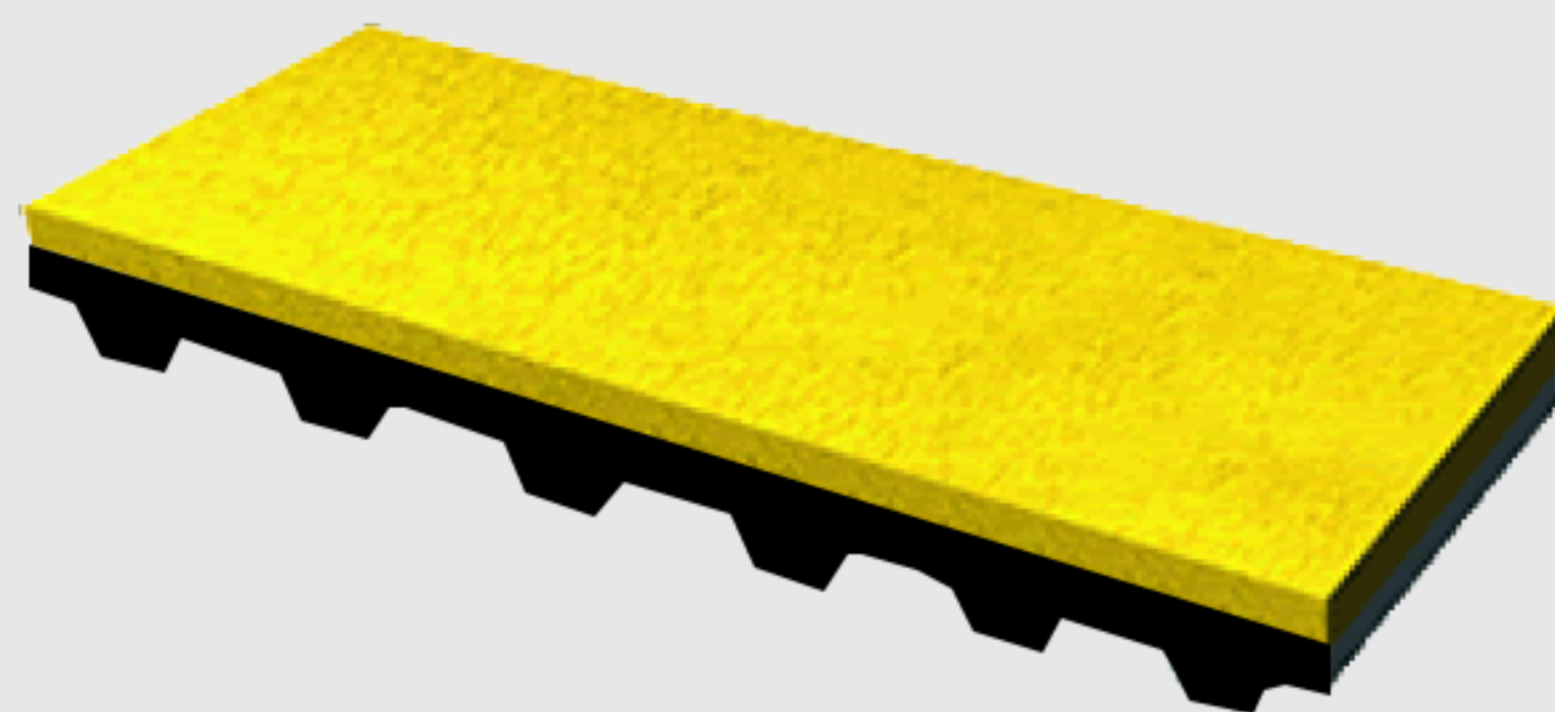


PROPERTIES			
STANDARD THICKNESS (INCH)	0,12	0,2	0,24
MIN. PULLEY DIAMETER (INCH)	1,97	2,36	3,15
MATERIAL / HARDNESS	NITRILE-BASED VULCANIZED MATERIAL, APPROX. 50 SHORE A		
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING ± 0.02 INCH) (GROUND ±0.1MM POSSIBLE)		
TEMPERATURE RESISTANCE	-20°C TO +110°C (-4°F TO 230°F)		
CHEMICAL RESISTANCE	RESISTANT TO OILS, GREASES AND OTHER CHEMICALS; WATER RESISTANT		
MACHINABILITY	CONTOURS CAN BE GROUND AND MILLED AND SURFACE GROUND		

TIMING BELT BACKINGS

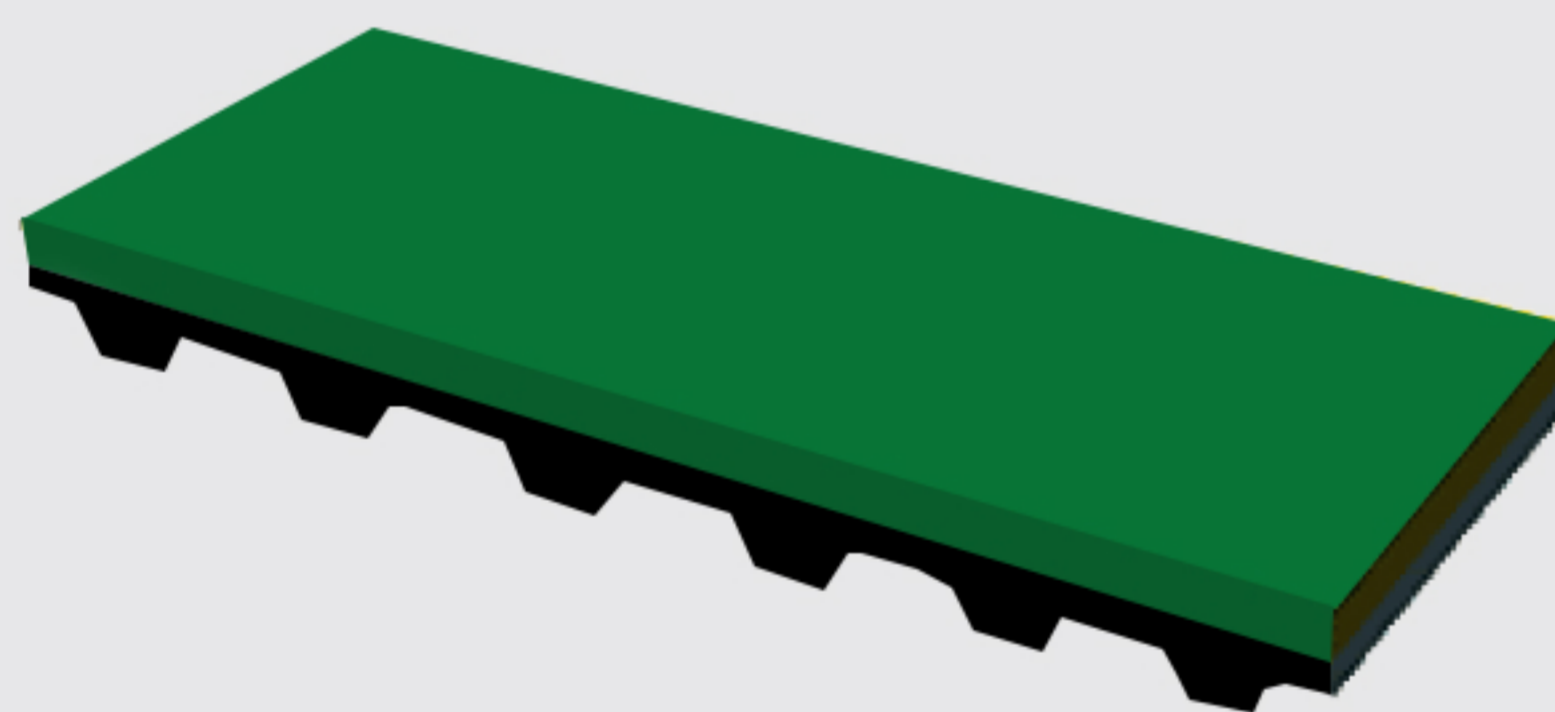
FOR GENERAL CONVEYING

55 A PU YELLOW



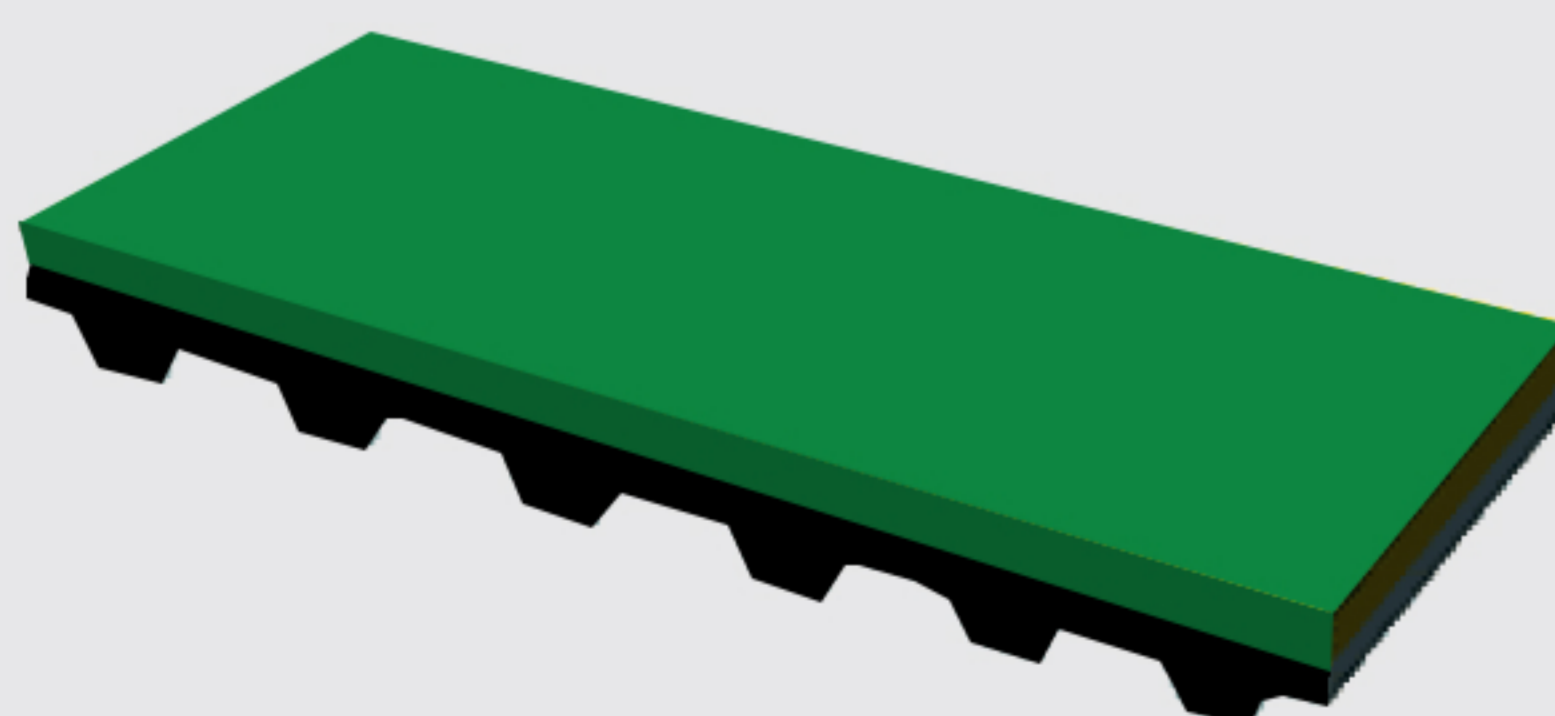
PROPERTIES					
STANDARD THICKNESS (INCH)	0,08	0,12	0,16	0,2	0,24
MIN. PULLEY DIAMETER (INCH)	2,76		3,54	4,33	
MATERIAL / HARDNESS	POLYURETHANE/APPROX. 55 SHORE A				
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING \pm 0,05 INCH) (GROUND \pm 0.1MM POSSIBLE)				
TEMPERATURE RESISTANCE	-30°C TO +70°C (-22°F TO 158°F)				
CHEMICAL RESISTANCE	RESISTANT TO SIMPLE OILS AND GREASE, PETROL, OZONE				
MACHINABILITY	CONTOURS CAN BE GROUND AND MILLED AND SURFACE GROUND				
OTHER AREAS OF USE	PAPER, CARDBOARD, GLASS CONVEYING, CABLE PULLING				

55 A PU GREEN



PROPERTIES					
STANDARD THICKNESS (INCH)	0,08	0,12	0,16	0,2	0,24
MIN. PULLEY DIAMETER (INCH)	2,76		3,54	4,33	
MATERIAL / HARDNESS	POLYURETHANE/APPROX. 55 SHORE A				
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING \pm 0,02 INCH) (GROUND \pm 0.1MM POSSIBLE)				
TEMPERATURE RESISTANCE	-30°C TO +70°C (-22°F TO 158°F)				
CHEMICAL RESISTANCE	RESISTANT TO SIMPLE OILS AND GREASE, PETROL, OZONE				
MACHINABILITY	CONTOURS CAN BE GROUND AND MILLED AND SURFACE GROUND				
OTHER AREAS OF USE	PAPER, CARDBOARD, GLASS CONVEYING, CABLE PULLING				

70 A PU GREEN



PROPERTIES					
STANDARD THICKNESS (INCH)	0,08	0,12	0,16	0,2	0,24
MIN. PULLEY DIAMETER (INCH)	2,36		3,15	3,94	
MATERIAL / HARDNESS	POLYURETHANE/APPROX. 70 SHORE A				
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING) \pm 0,02 INCH (GROUND \pm 0.1 MM POSSIBLE)				
TEMPERATURE RESISTANCE	-30°C TO +70°C (-22°F TO 158°F)				
CHEMICAL RESISTANCE	RESISTANT TO SIMPLE OILS AND GREASE, PETROL, OZONE				
MACHINABILITY	CONTOURS CAN BE GROUND AND MILLED AND SURFACE GROUND				
OTHER AREAS OF USE	PAPER, CARDBOARD, GLASS CONVEYING, CABLE PULLING				

TIMING BELT BACKINGS

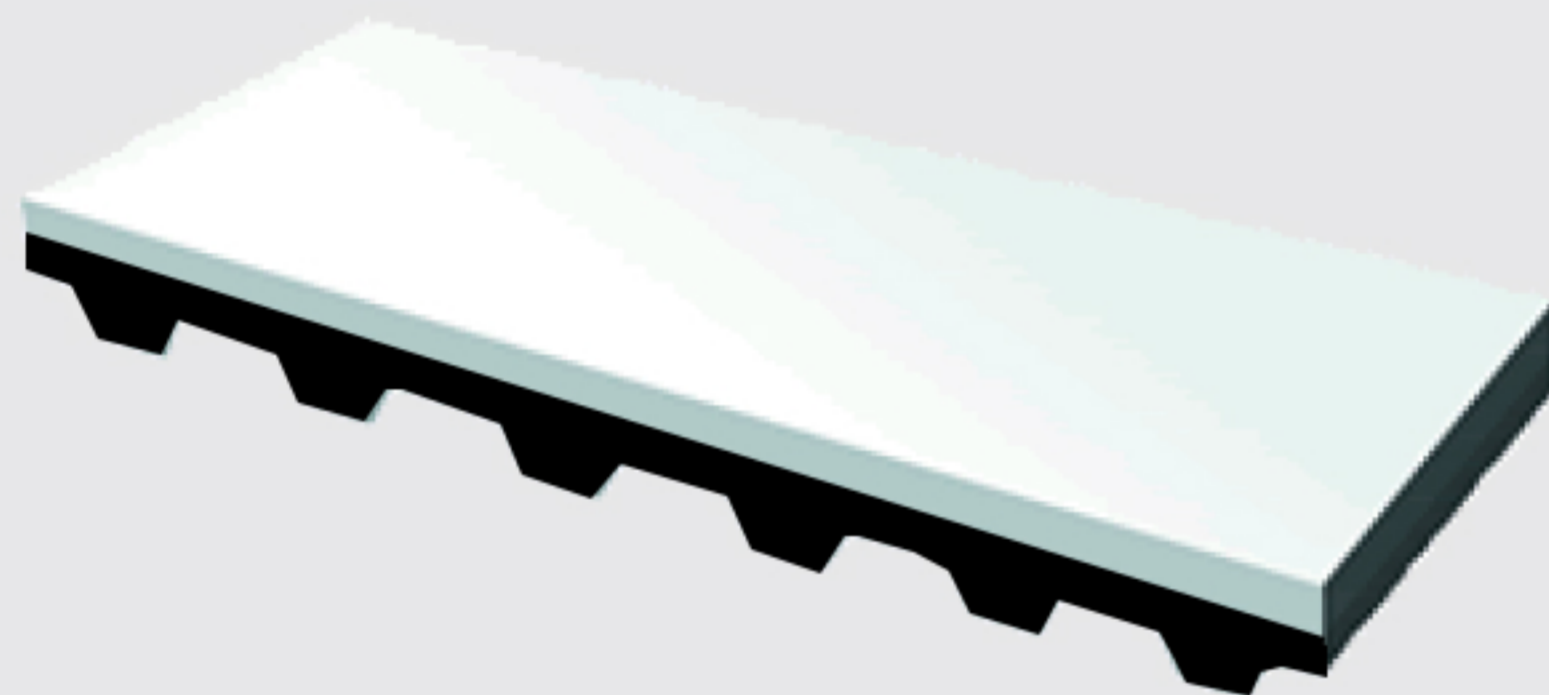
FOR GENERAL CONVEYING

NBR 65



PROPERTIES		
STANDARD THICKNESS (INCH)	0,06	0,12
MIN. PULLEY DIAMETER (INCH)	2,36	3,15
MATERIAL / HARDNESS	NITRILE RUBBER, APPROX. 60-70 SHORE A	
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT +COATING) $\pm 0,02$ INCH (GROUND $\pm 0,01$ INCH POSSIBLE)	
TEMPERATURE RESISTANCE	-35°C TO +70°C (-31°F TO 158°F)	
CHEMICAL RESISTANCE	RESISTANT TO OILS AND TO SOME EXTENT ACIDS AND ALKALIS	
MACHINABILITY	CONTOURS CAN BE GROUND AND MILLED TO SOME EXTENT AND SURFACE GROUND	

SILICONE ENDLESS



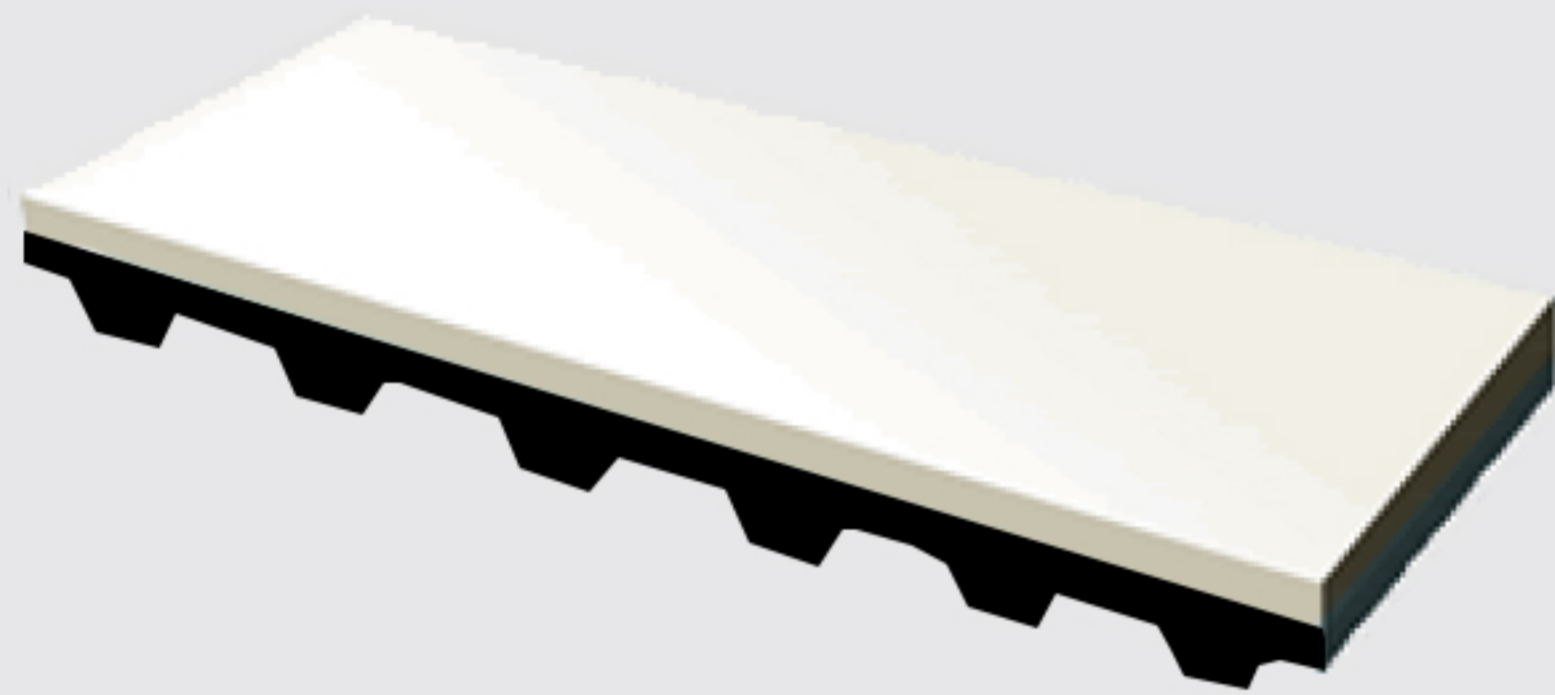
AVAILABLE COLORS:     

PROPERTIES							
STANDARD THICKNESS (INCH)	0,08	0,12	0,16	0,2	0,24	0,31	0,39
MIN. PULLEY DIAMETER (INCH)	2,36	2,76	3,15	3,54	3,94	4,33	4,72
MATERIAL / HARDNESS	SILICONE, APPROX. 50 SHORE A						
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT +COATING) $\pm 0,1$ MM						
TEMPERATURE RESISTANCE	-20°C TO +100°C (4°F TO 350°F)						
CHEMICAL RESISTANCE	GOOD RESISTANCE TO INK, DIRT AND ADHESIVES, OZONE						
AREAS OF USE	PRINTING, HIGH TEMPERATURE RESISTANCE, HIGH FRICTION, GROUND OR SEALED SURFACE, FDA COMPLIANT						

TIMING BELT BACKINGS

FOR FOOD PROCESSING

45A NBR FDA



PROPERTIES

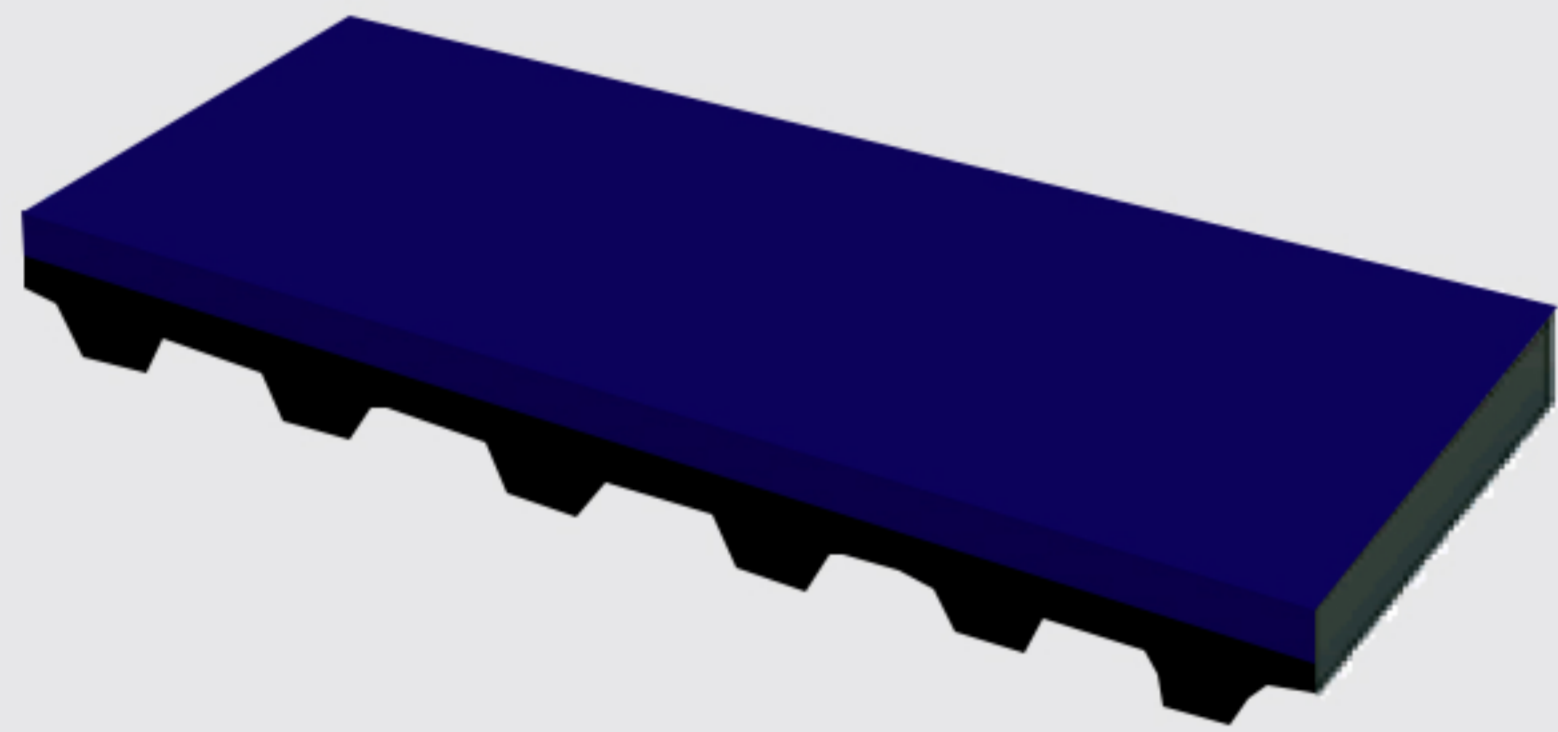
STANDARD THICKNESS (INCH)	0,12	0,2	0,24
MIN. PULLEY DIAMETER (INCH)	2,76	3,54	3,94
MATERIAL / HARDNESS	VULCANIZED NATURAL RUBBER, APPROX. 45 SHORE A		
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING) -0,04/+0,07 INCH (GROUND ±0.01 INCH POSSIBLE)		
TEMPERATURE RESISTANCE	-40°C TO +70°C (-40°F TO 158°F)		
CHEMICAL RESISTANCE	RESISTANT TO CHEMICALS; MATERIAL DOES NOT LEAVE PRESSURE MARKS		
MACHINABILITY	CONTOURS CAN BE GROUND AND MILLED AND SURFACE GROUND		
NOTE	FDA APPROVAL IN CONFORMITY WITH THE CRITERIA OF THE FDA CODE OF FEDERAL REGULATIONS, SECTION 177.1680, THE EUROPEAN REGULATION (EC) 1935-2004, REGULATION (EU) NO, 10-2011 AND EUROPEAN COMMISSION DIRECTIVES 90/128/EEC AND 96/11/EC		



TIMING BELT BACKINGS

FOR HIGH TEMPERATURE

45A BLUE EPDM FDA



PROPERTIES

STANDARD THICKNESS (INCH)	0,08	0,16	0,24
MIN. PULLEY DIAMETER (INCH)	2,36	3,15	4,72
MATERIAL / HARDNESS	RUBBER, APPROX. 45 SHORE A		
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING) ± 0.1MM		
TEMPERATURE RESISTANCE	-40°C TO +120°C (40°F TO 248°F)		
CHEMICAL RESISTANCE	VERY GOOD RESISTANCE TO ACIDS AND ALKALIS, WEATHERING RESISTANT, OZONE, OXIDATION		

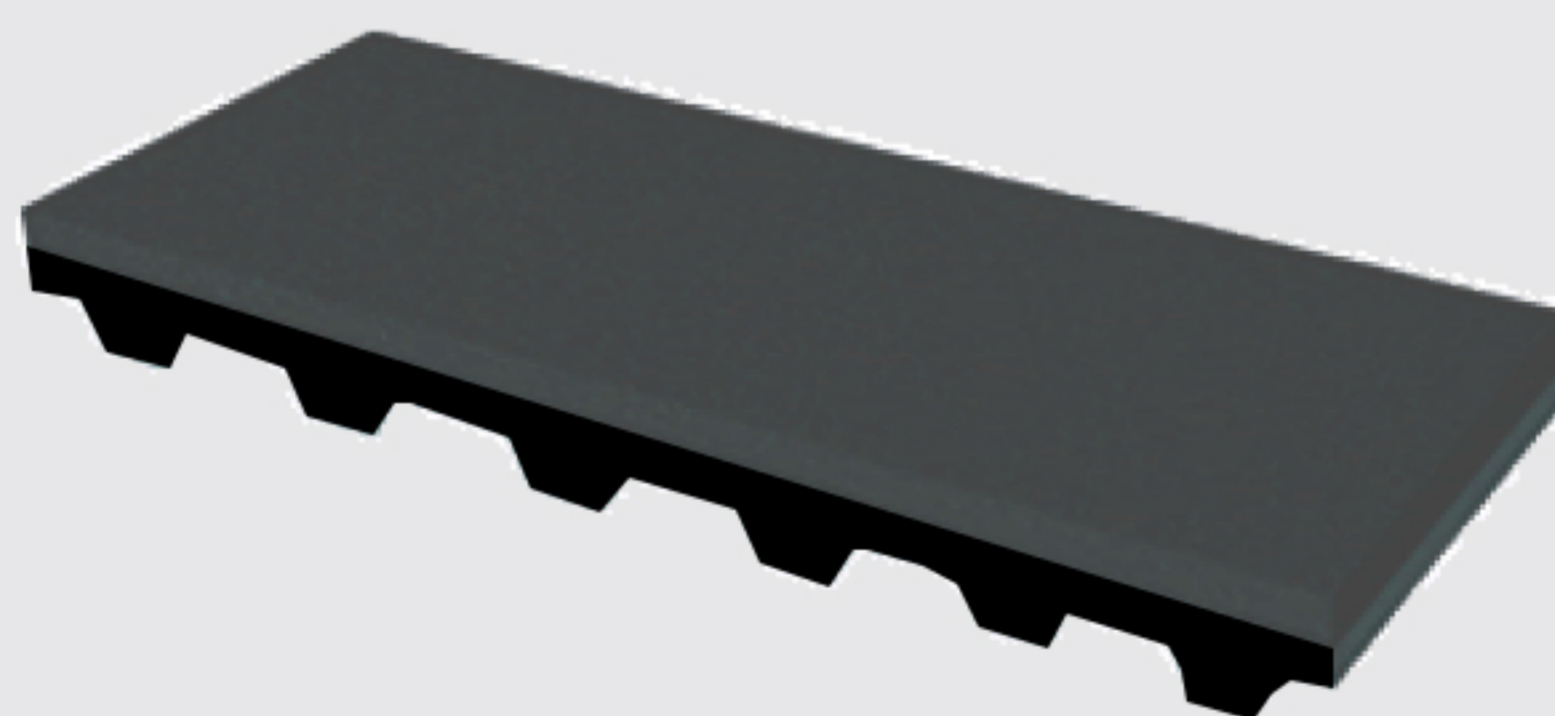
60A EPDM



PROPERTIES

STANDARD THICKNESS (INCH)	0,08	0,16	0,24
MIN. PULLEY DIAMETER (INCH)	2,36	3,15	4,72
MATERIAL / HARDNESS	RUBBER, APPROX. 60 SHORE A		
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING) ± 0.1MM		
TEMPERATURE RESISTANCE	-40°C TO +120°C (40°F TO 248°F)		
CHEMICAL RESISTANCE	VERY GOOD RESISTANCE TO ACIDS AND ALKALIS, WEATHERING RESISTANT		

70A EPDM



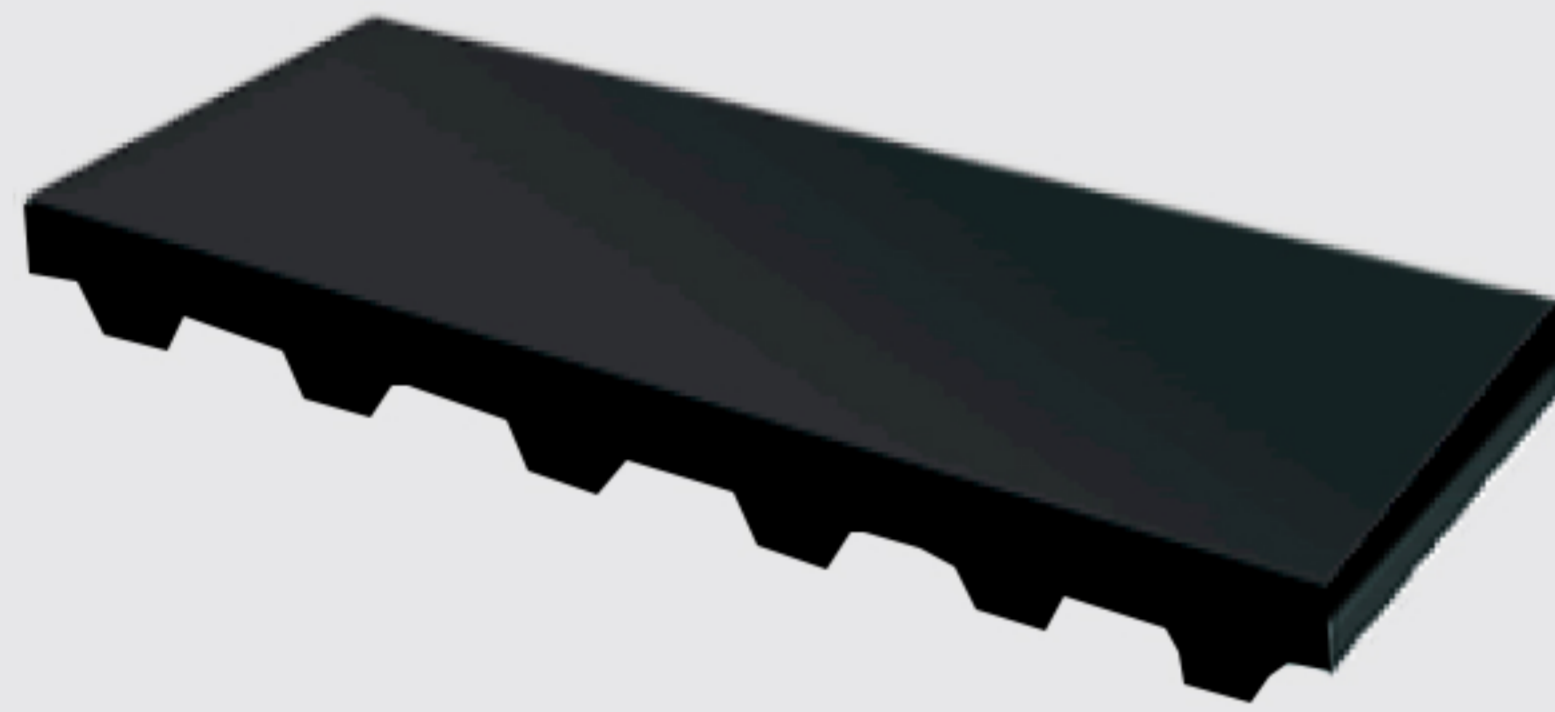
PROPERTIES

STANDARD THICKNESS (INCH)	0,08	0,16	0,24
MIN. PULLEY DIAMETER (INCH)	2,36	3,15	4,72
MATERIAL / HARDNESS	RUBBER, APPROX. 70 SHORE A		
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING) ± 0.1MM		
TEMPERATURE RESISTANCE	-40°C TO +120°C (40°F TO 248°F)		
CHEMICAL RESISTANCE	VERY GOOD RESISTANCE TO ACIDS AND ALKALIS, WEATHERING RESISTANT, OZONE, OXIDATION		

TIMING BELT BACKINGS

FOR HIGH TEMPERATURE

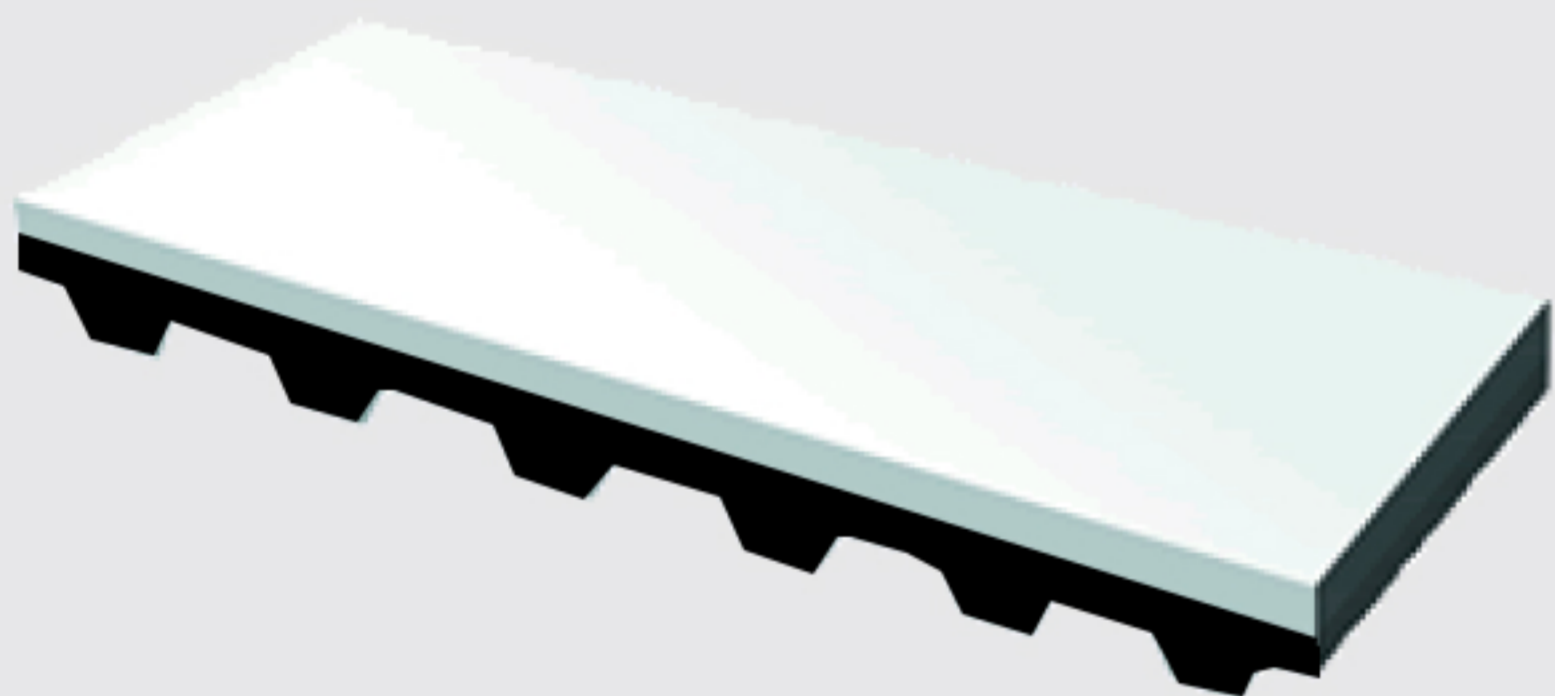
VITON



PROPERTIES

STANDARD THICKNESS (INCH)	0,08	0,16
MIN. PULLEY DIAMETER (INCH)	3,15	3,94
MATERIAL / HARDNESS	SYNTHETIC FLUOROELASTOMER, APPROX. 70-80 SHORE A	
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING) \pm 0,02 INCH (GROUND \pm 0,01 INCH POSSIBLE)	
TEMPERATURE RESISTANCE	-10°C / 190°C (14°F / 374°F) (UP TO 275°C FOR SHORT PERIODS)	
CHEMICAL RESISTANCE	VERY GOOD RESISTANCE TO OILS, GREASES, HYDROCARBONS, ACIDS; IMPERMEABLE TO GAS AND WATER VAPOR	
MACHINABILITY	CONTOURS CAN BE GROUND AND MILLED AND SURFACE GROUND	
POTENTIAL APPLICATIONS	TRANSPORTATION OF SENSITIVE PARTS, CARDBOARD PACKAGING, TRANSPORTATION OF GLASS AND METAL PARTS	

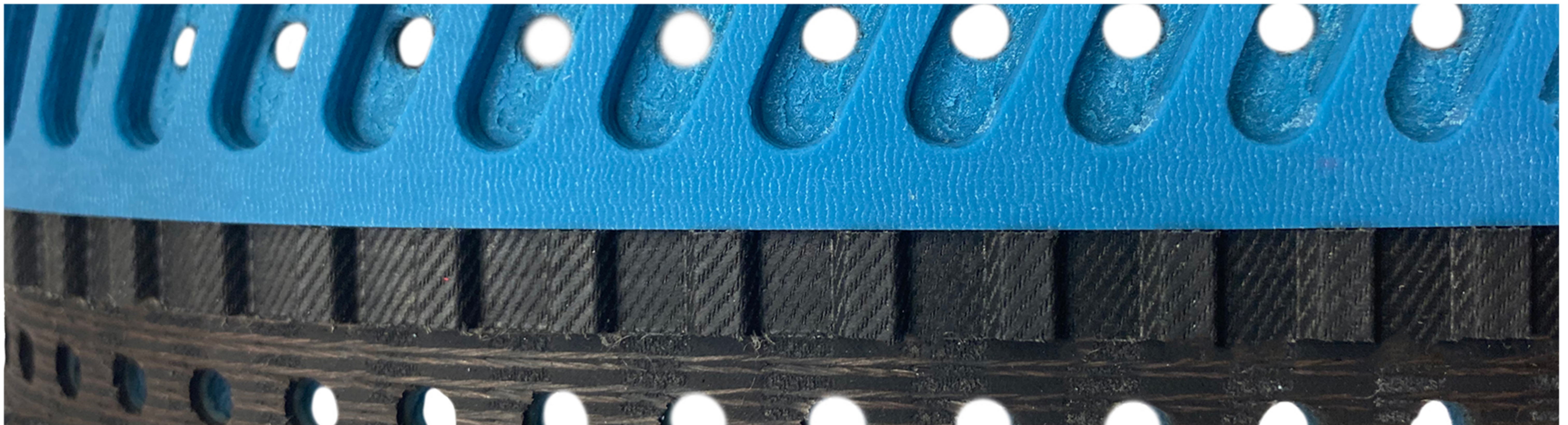
SILICONE ENDLESS



AVAILABLE COLORS:     

PROPERTIES

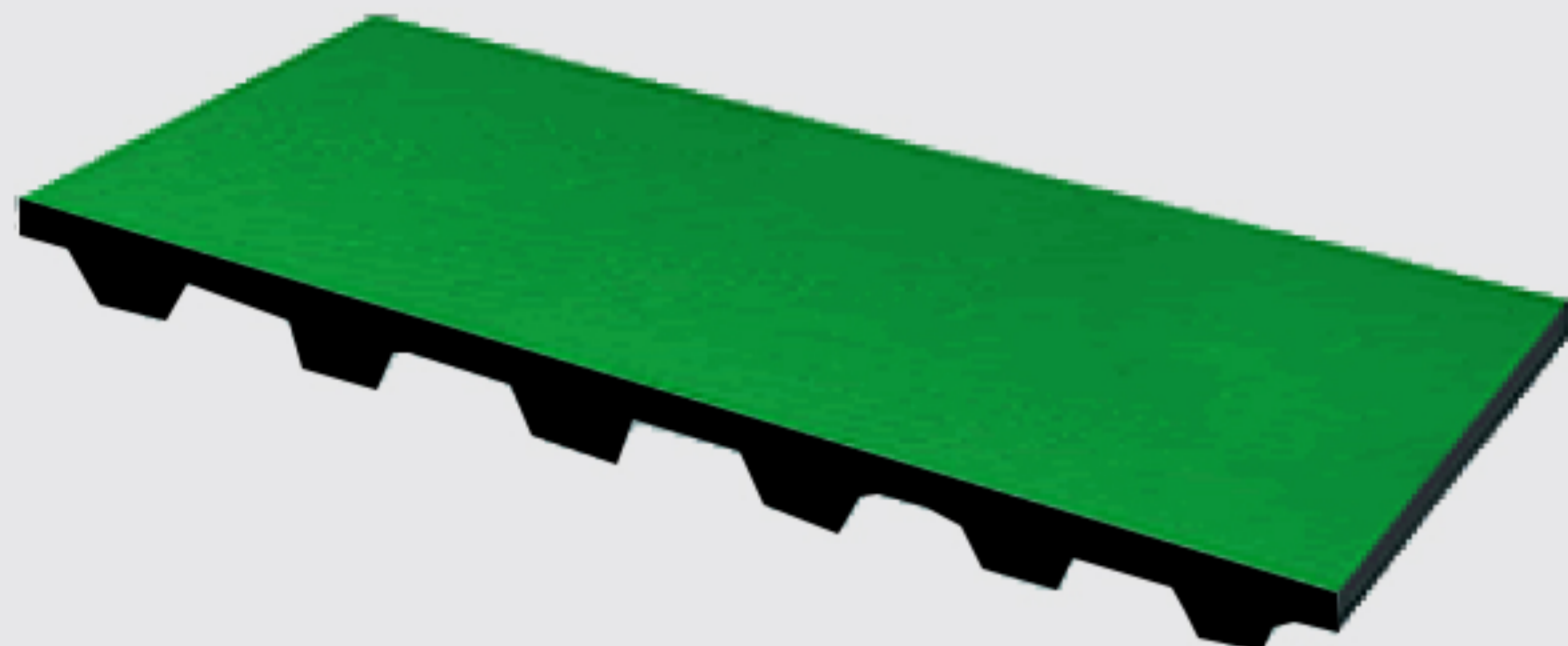
STANDARD THICKNESS (INCH)	0,08	0,12	0,16	0,2	0,24	0,31	0,39
MIN. PULLEY DIAMETER (INCH)	2,36	2,76	3,15	3,54	3,94	4,33	4,72
MATERIAL / HARDNESS	SILICONE, APPROX. 50 SHORE A						
TOLERANCES	TOLERANCE FOR TOTAL THICKNESS (TIMING BELT + COATING) \pm 0.1 MM						
TEMPERATURE RESISTANCE	-20°C TO +100°C (4°F TO 350°F)						
CHEMICAL RESISTANCE	GOOD RESISTANCE TO INK, DIRT AND ADHESIVES, OZONE						
AREAS OF USE	PRINTING, HIGH TEMPERATURE RESISTANCE, HIGH FRICTION, GROUND OR SEALED SURFACE, FDA COMPLIANT						



TIMING BELT BACKINGS

FOR REDUCED FRICTION

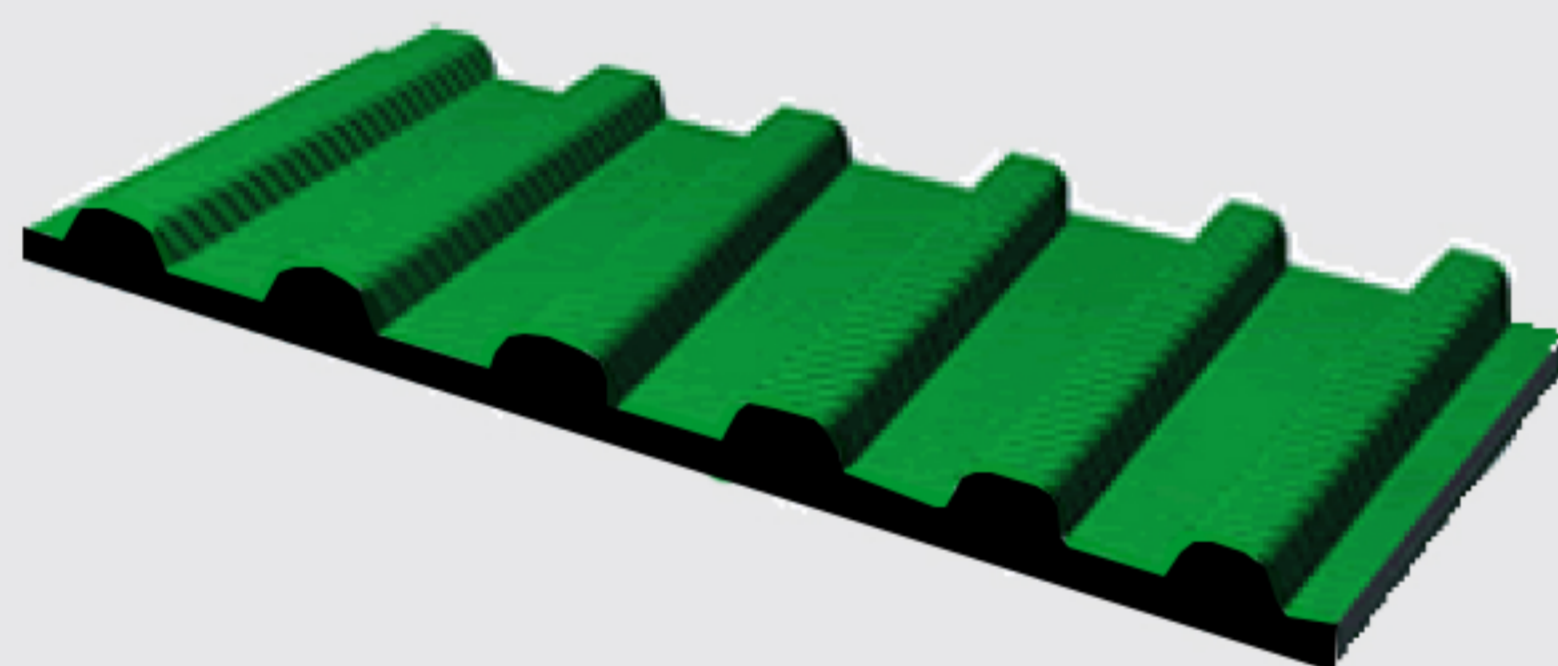
PAR



PROPERTIES

STANDARD THICKNESS (INCH)	0,02	0,03
MIN. PULLEY DIAMETER (INCH)	0,59	0,98
MATERIAL / HARDNESS	POLYAMIDE	
TOLERANCES	± 0,01 INCH	
TEMPERATURE RESISTANCE	-20°C TO +50°C (4°F TO 122°F)	
CHEMICAL RESISTANCE	RESISTANT TO SIMPLE OILS AND GREASE	

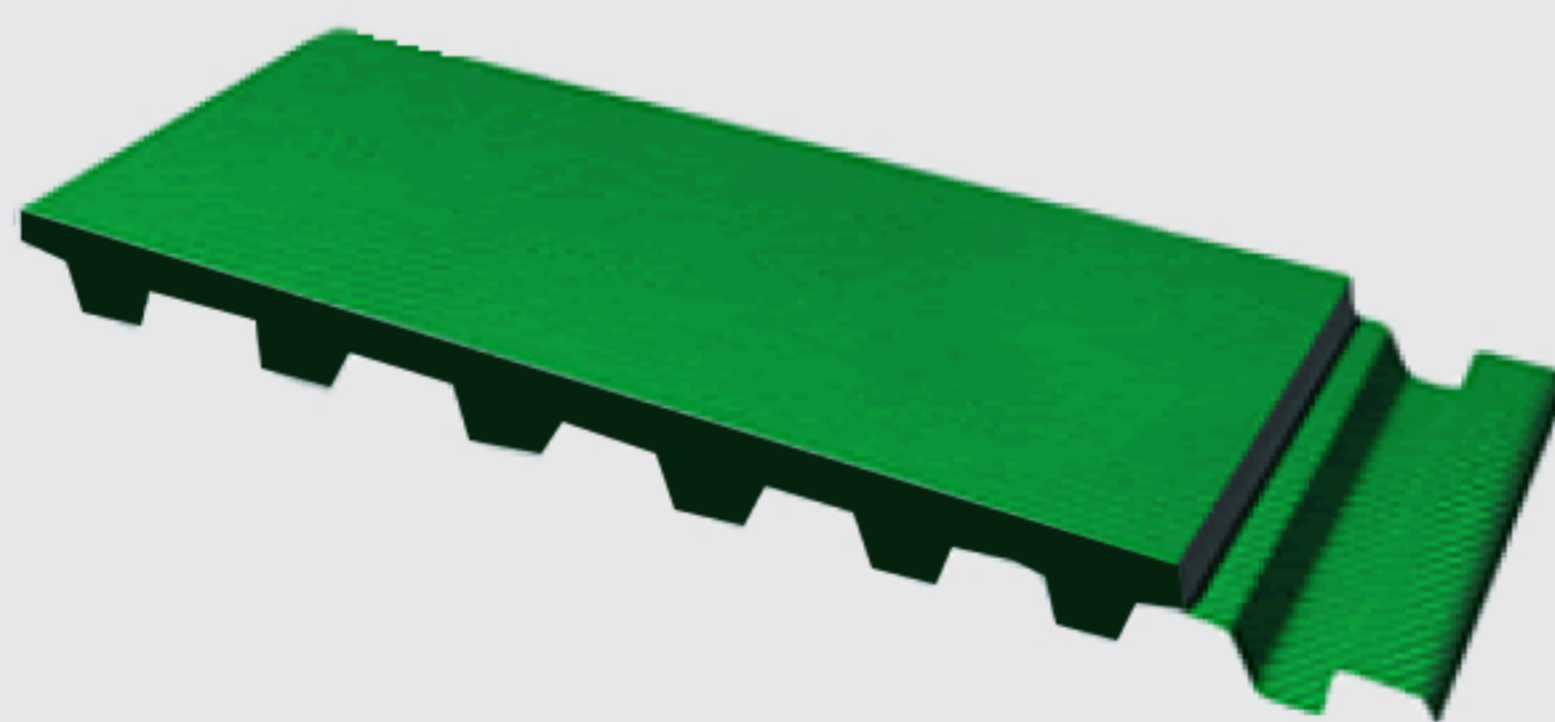
PAZ



PROPERTIES

STANDARD THICKNESS (INCH)	0,02	0,03
MIN. PULLEY DIAMETER (INCH)	0,59	0,98
MATERIAL / HARDNESS	POLYAMIDE	
TOLERANCES	± 0,01 INCH	
TEMPERATURE RESISTANCE	-20°C TO +50°C (4°F TO 122°F)	
CHEMICAL RESISTANCE	RESISTANT TO SIMPLE OILS AND GREASE	
NOTE	MATERIAL CAN ONLY BE APPLIED DURING EXTRUSION PROCESS	

PAZ-PAR



PROPERTIES

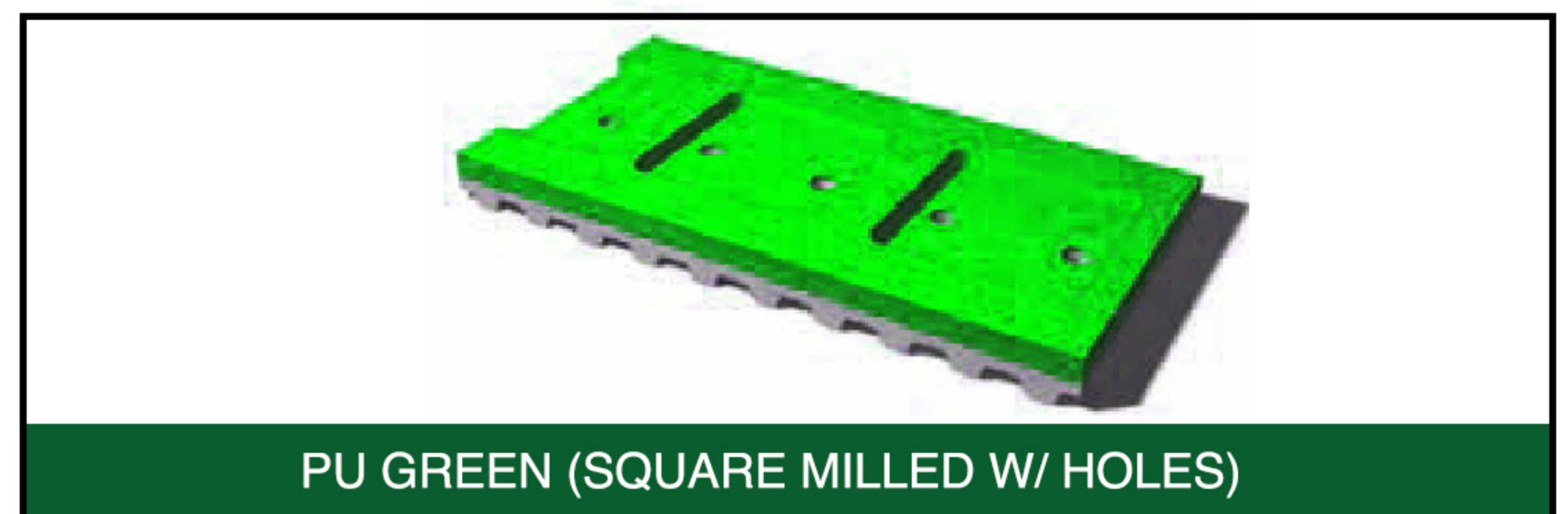
STANDARD THICKNESS (INCH)	0,02	0,03
MIN. PULLEY DIAMETER (INCH)	0,59	0,98
MATERIAL / HARDNESS	POLYAMIDE	
TOLERANCES	± 0,01 INCH	
TEMPERATURE RESISTANCE	-20°C TO +50°C (4°F TO 122°F)	
CHEMICAL RESISTANCE	RESISTANT TO SIMPLE OILS AND GREASE	

TIMING BELT BACKINGS

MACHINED BACKINGS

CUSTOM MACHINED BACKINGS

CERTAIN BACKINGS ALLOW FOR SPECIAL MACHINING AND PROCESSING TO PROVIDE FOR SYNCHRONOUS CONVEYING AND POSITIONING OF GOODS. POCKETS, CONTOURS, SLOTS, HOLES, ETC. CAN BE PRECISELY MACHINED FOR EACH REQUIREMENT. PLEASE CONTACT APPLICATIONS ENGINEERING FOR ASSISTANCE.



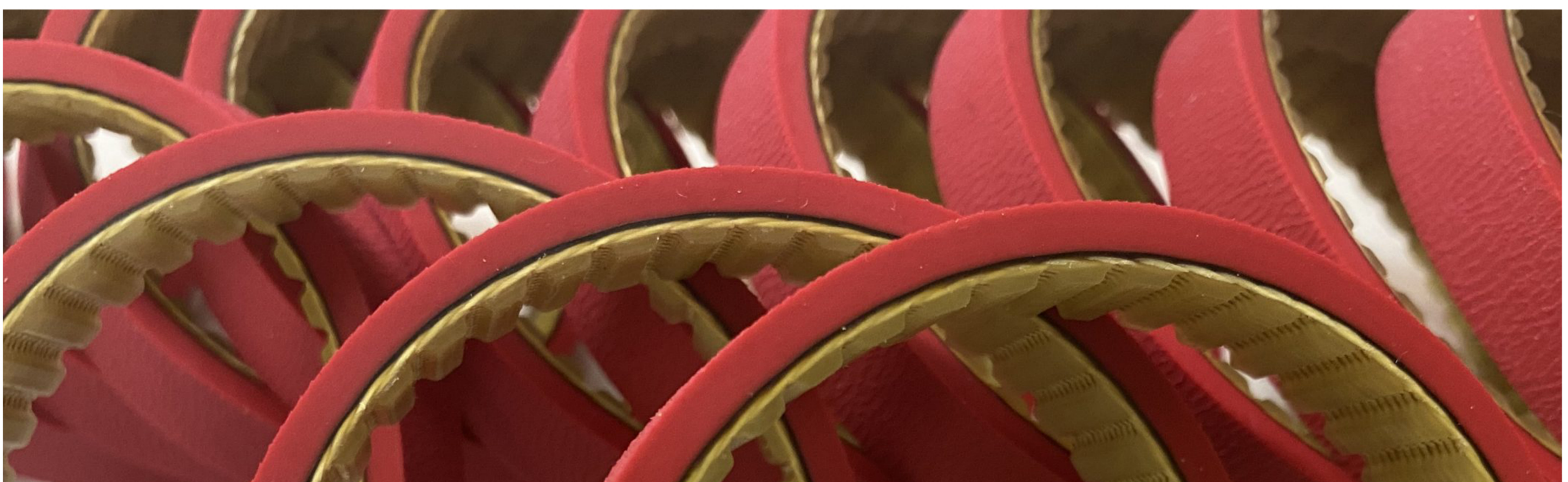
REDUCED STRESS CONCENTRATION

COVERED TIMING BELTS HAVE REDUCED BENDING ABILITY. THEREFORE, LARGER DIAMETER PULLEYS AND IDLERS MUST BE USED IN ORDER TO REDUCE STRESS CONCENTRATION. THE BENDING FLEXIBILITY CAN BE INCREASED BY UP TO 30% BY PROPERLY PLACING STRESS RELIEFS IN THE BACKING MATERIAL.



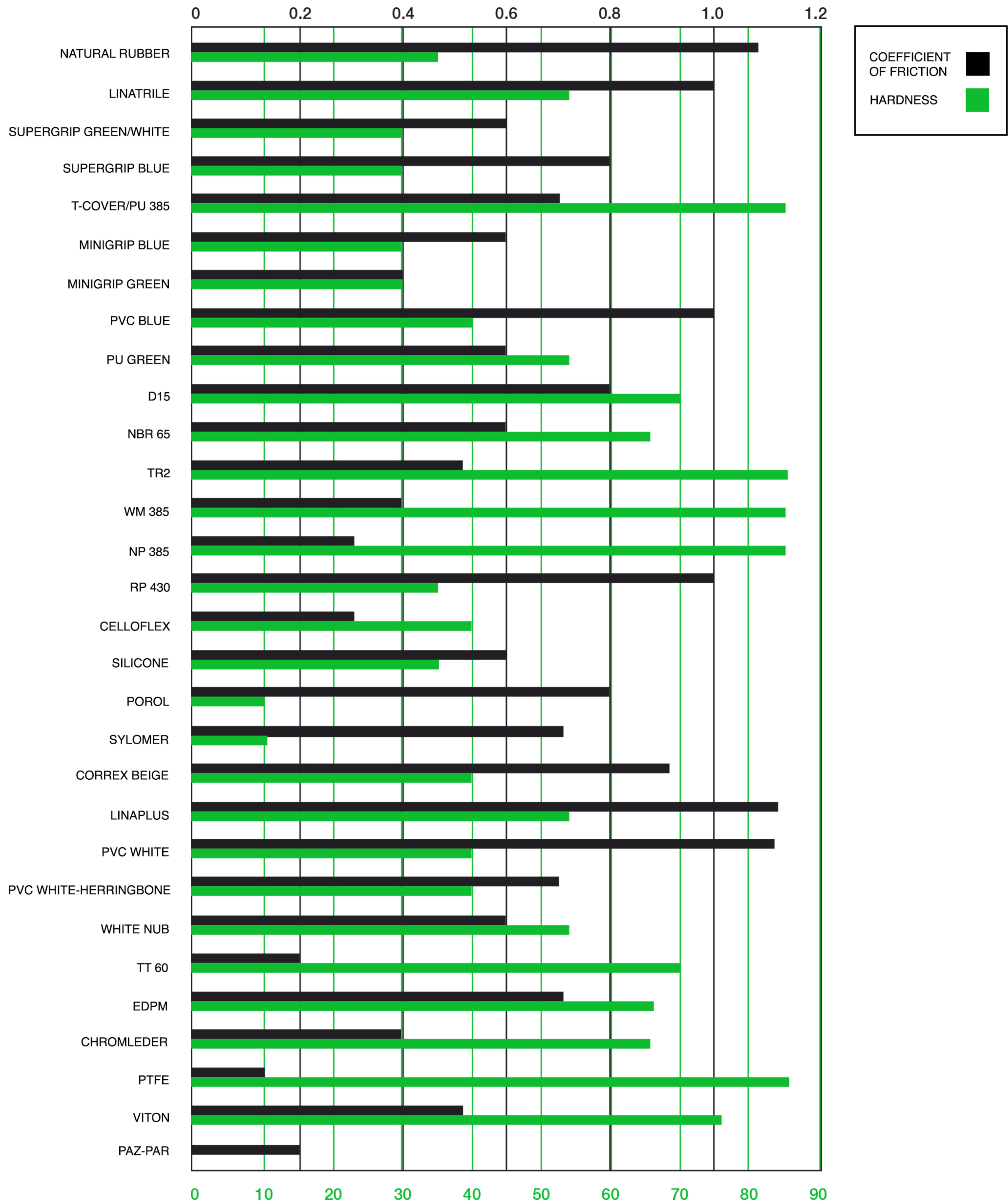
NOTES TO THE DESIGNER:

- ADDITIVES IN OILS AND TEMPERATURES ABOVE 40°C (140°F) WILL REDUCE BELT LIFE
- THE COEFFICIENT OF FRICTION CHANGES WITH TEMPERATURE
- LOW AMBIENT TEMPERATURES REDUCE FLEXIBILITY OF THE BACKING MATERIAL. PULLEY AND IDLER DIAMETERS MUST BE INCREASED ACCORDINGLY.
- COVERED BELT APPLICATIONS MAY REQUIRE INCREASED PULLEY AND IDLER DIAMETERS IN STANDARD AND BACK BENDING OPERATIONS.



TIMING BELT BACKINGS

BACKING CHART



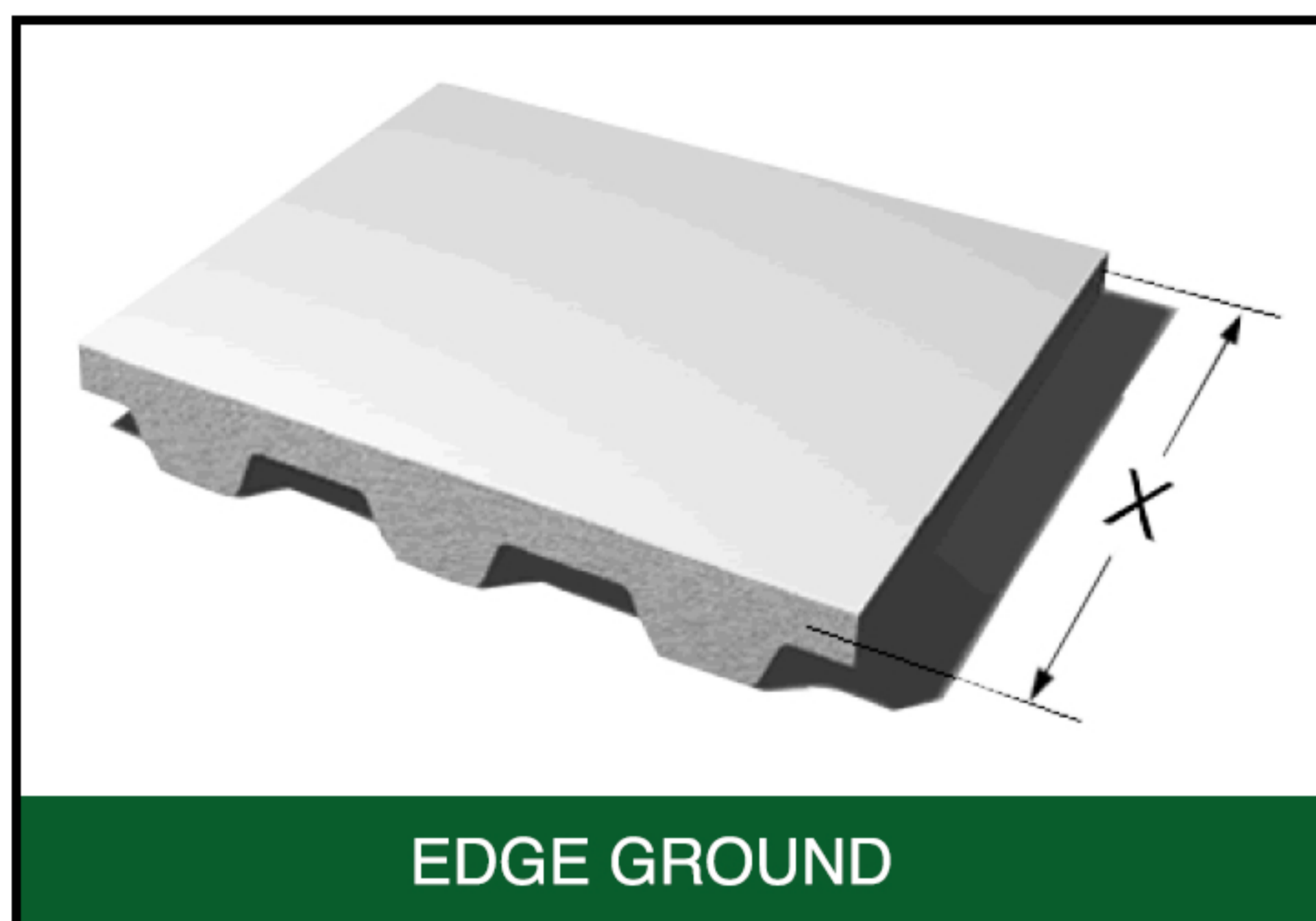
NOTE: COEFFICIENT OF FRICTION WILL VARY DEPENDING ON THE OBJECTS BEING CONVEYED.

TIMING BELT BACKINGS

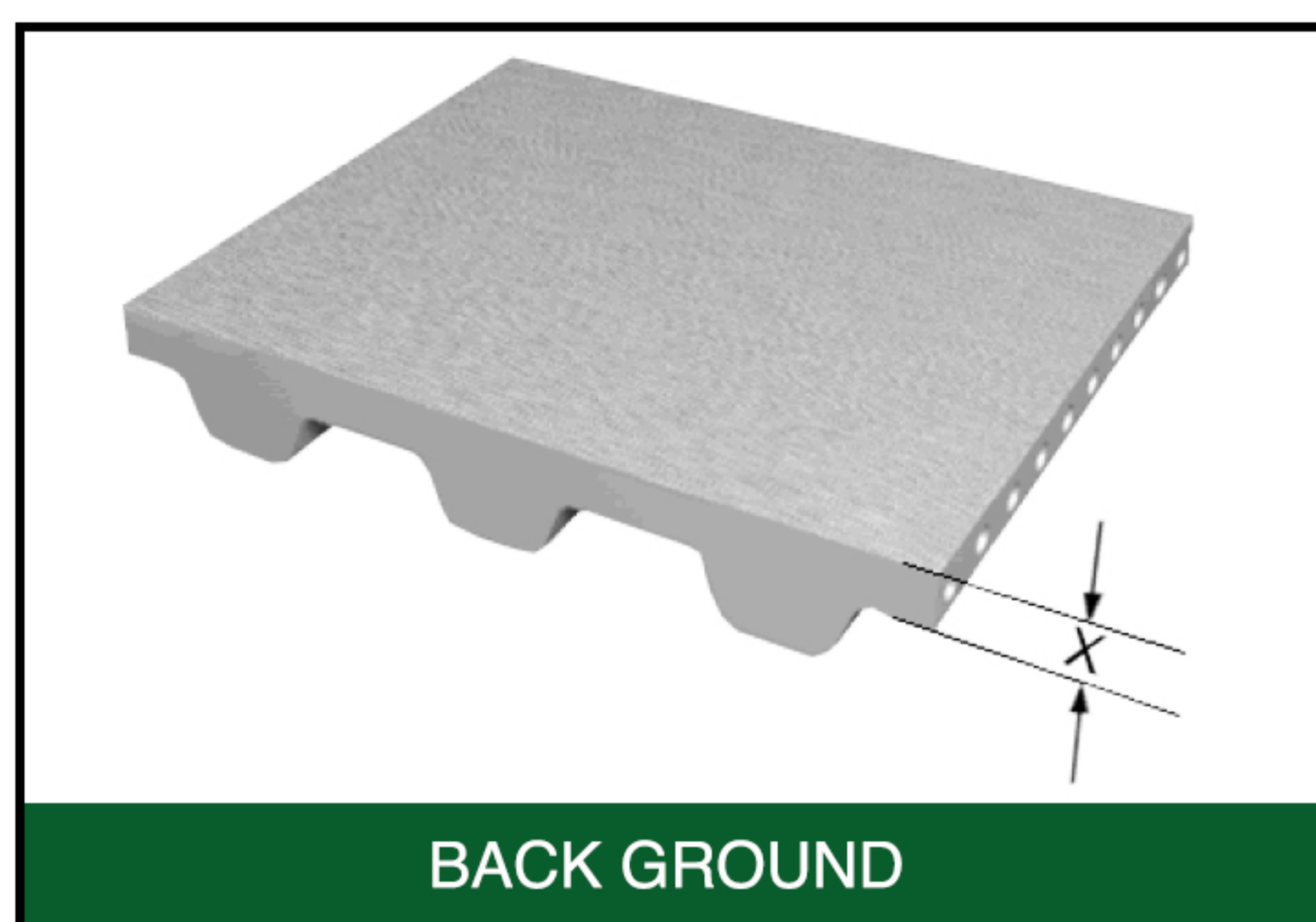
MACHINED TIMING BELTS

CUSTOM MACHINED TIMING BELTS

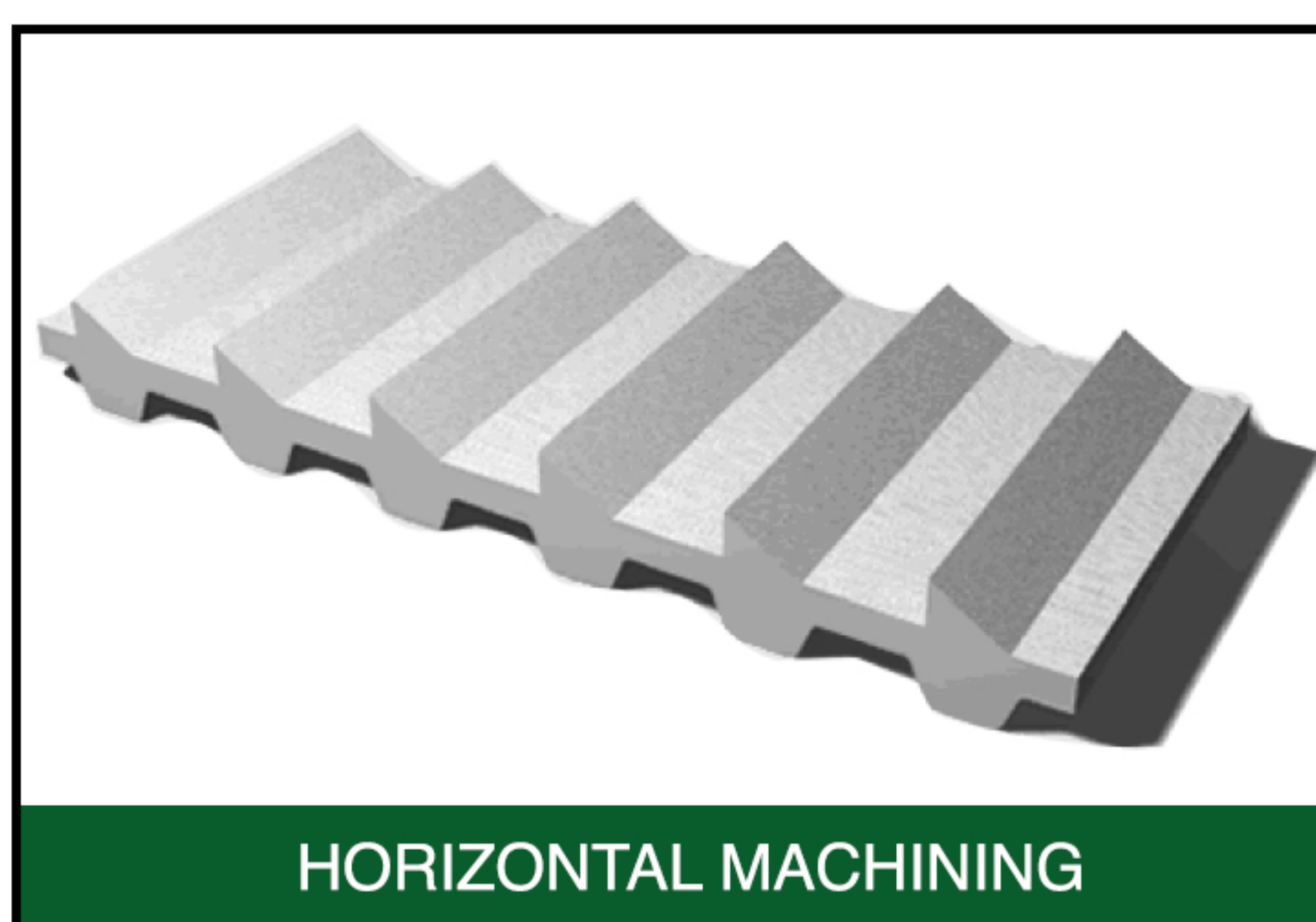
PASSAIC CAN MECHANICALLY PROCESS TIMING BELTS FOR SPECIAL FUNCTIONAL CHARACTERISTICS. TIMING BELTS WITH THICK BACKS OFFER A BROAD RANGE OF POSSIBILITIES FOR DESIGN ENGINEERS ESPECIALLY FOR MECHANICAL PROCESSING. PLEASE NOTE THAT TIMING BELTS WITH THICKER BACKS ARE LESS FLEXIBLE AND REQUIRE TOOTHED PULLEYS WITH LARGER DIAMETERS. BETTER FLEXIBILITY IS ACHIEVED THROUGH TRANSVERSE GROOVES OR SLITS.



- IMPROVED BELT WIDTH TOLERANCE
- LESS LATERAL MOVEMENT
- USED TO MORE ACCURATELY POSITION MECHANICAL MODIFICATIONS (I.E. PROFILES, PERFORATIONS, ETC.)



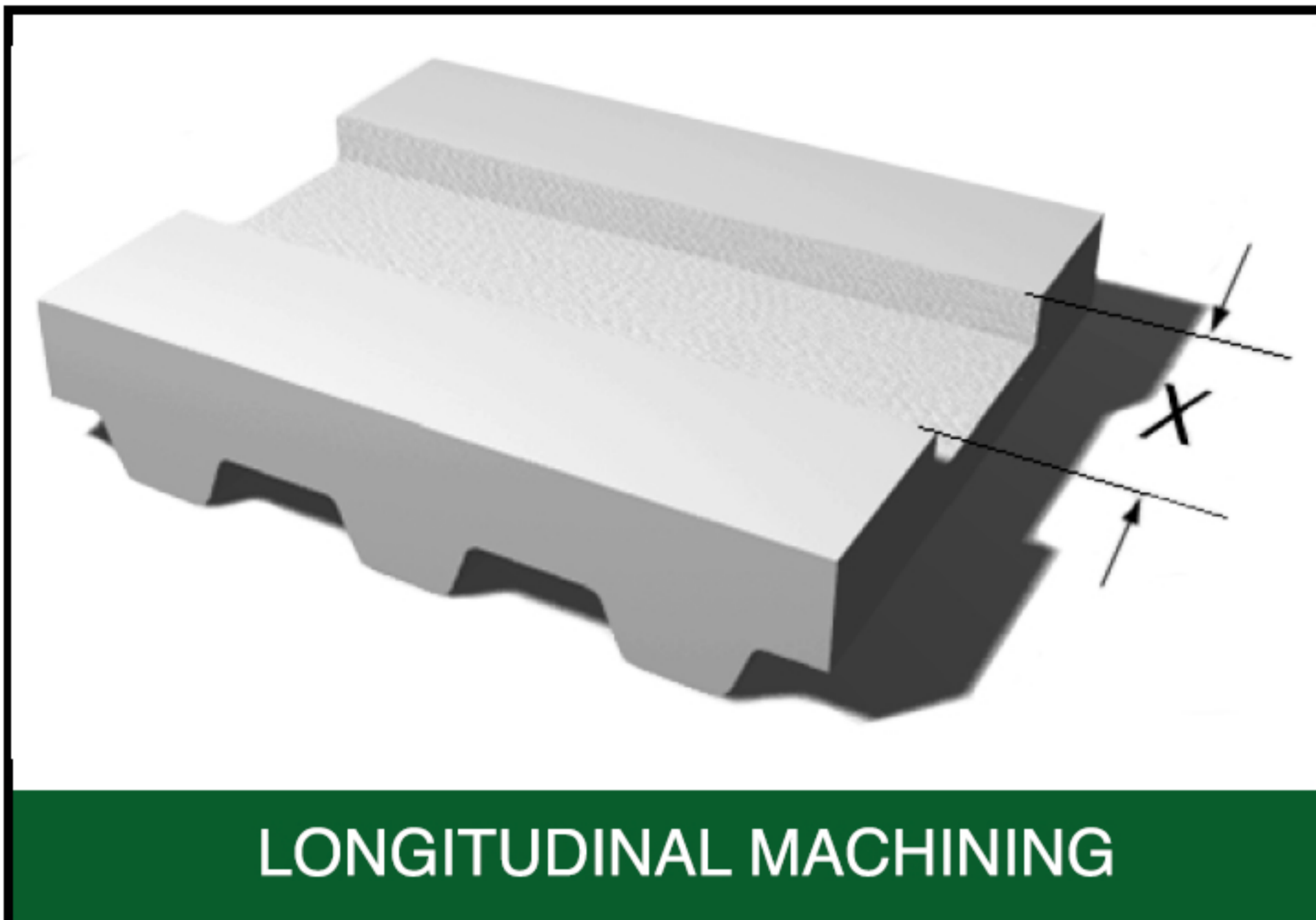
- IMPROVED BELT THICKNESS TOLERANCE
- CONSISTENT BELT BACK SURFACE FINISH AND FRICTION
- ROUGHENED BELT BACK FOR SPLICED AND WELDED "V" BELTS
- STANDARD FOR TRULY ENDLESS "BFX" BELTS > 28,35 INCH
- AVAILABLE FOR SPLICED AND WELDED "V" BELTS > 17,72 INCH



- TYPICALLY USED WITH EXTRA THICK BELT BACK "DR" OR "T-COVER"
- USED FOR SMALL PARTS CONVEYING
- USED FOR INCLINE CONVEYING
- STANDARD AND CUSTOM CONFIGURATIONS AVAILABLE
- INCREASED FLEXIBILITY

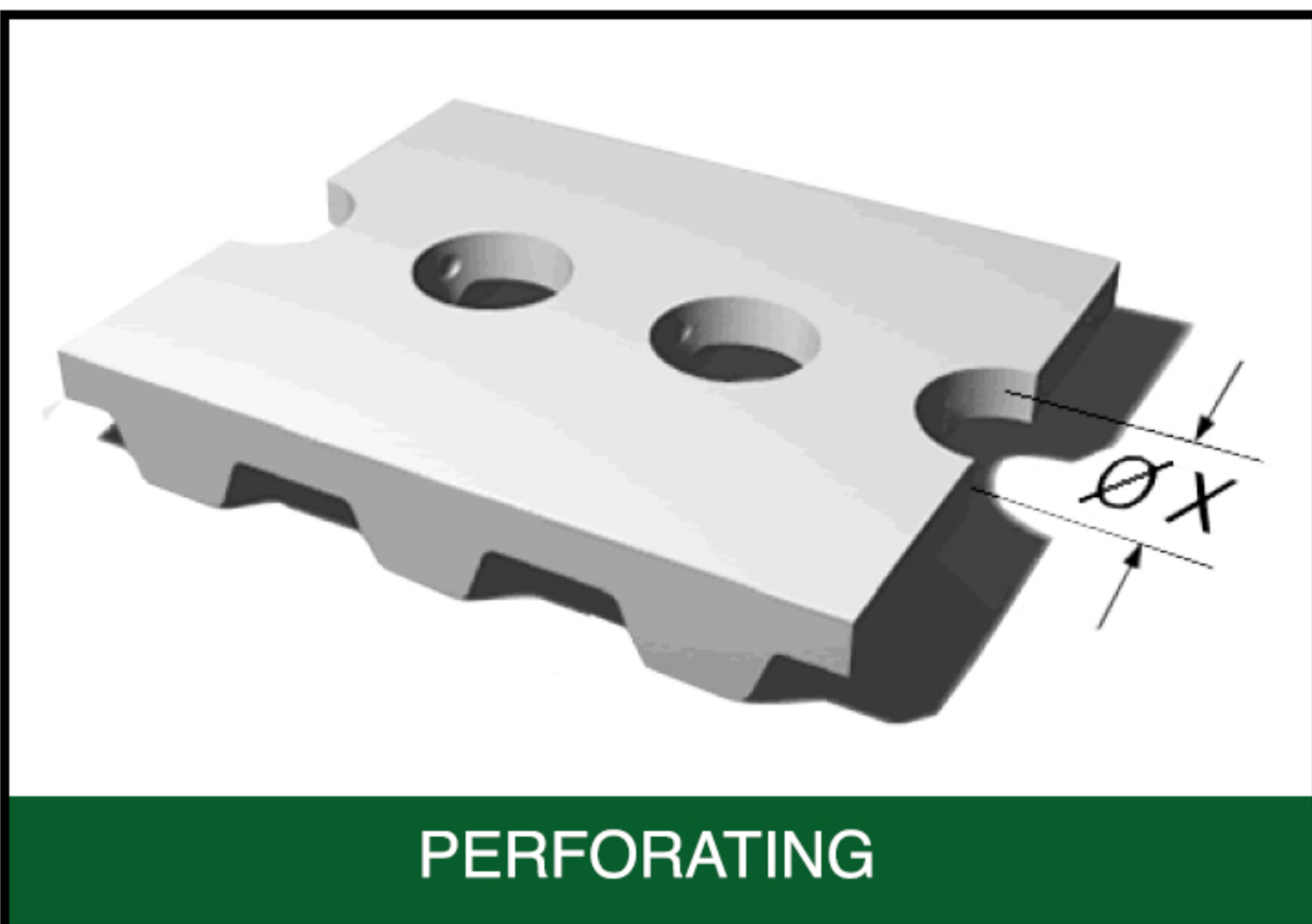
TIMING BELT BACKINGS

MACHINED TIMING BELTS



LONGITUDINAL MACHINING

- TYPICALLY USED WITH EXTRA THICK BELT BACK FOR MORE DESIGN POSSIBILITIES
- USED FOR LONGITUDINAL PRODUCT CONVEYING
- COMBINED WITH PERFORATIONS FOR VACUUM APPLICATIONS
- USED TO ALIGN PRODUCT DURING HANDLING



PERFORATING

- USED FOR VACUUM APPLICATIONS
- INTRICATE HOLE PATTERNS POSSIBLE
- USED WITH TENSION FREE ZONES RESULTING IN CLEAN HOLES WITH NO TENSION MEMBER INTERFERENCE
- COMPLEX PERFORATION SHAPES POSSIBLE

