

Technical data

**HEVALOID® / CRELAST® Endless-Feeder belts FDA**

**Feeder and conveyor belts, elastic**

Type	Crelast EC white	Crelast green	Crelast white
	elastic	elastic	elastic
Quality of rubber	Natural rubber 40 ShA	EPDM-rubber 65 ShA	Nitrile rubber 65 ShA
Properties	wear-resistant, FDA conform	UV-, light- and ozone proof, FDA	highly wear-resistant, FDA conform
Temperature resistance	60 °C	120 °C	80 °C
Force- and tension- values			
at 5%	0.09 N/mm <sup>2</sup>	0.20 N/mm <sup>2</sup>	0.39 N/mm <sup>2</sup>
at 10%	0.16 N/mm <sup>2</sup>	-	-
at 20%	0.28 N/mm <sup>2</sup>	-	-
Pretension	10-20 %	4-6 %	4-6 %
	endless-vulcanized – no seam or splice		
Dimensions			
length	15 - 2000 mm	+/- 1%	L0= length without tension
width	3 - 280 mm	+/- 1 mm	
thickness	0.8 - 15.0 mm	+/- 0.1 mm	

**Special production:**

- surface grinded, profiled or smooth
- with tracking guide, grooves or cams
- other dimensions or tighter tolerances
- other qualities of rubber or double layer belts
- inscription of country of origin, item number, etc.

**Technical data**
**HEVALOID® / CRELAST® Endless-Feeder belts FDA**
**Feeder and conveyor belts, elastic**

Type	Crelast CR black / EC white	Crelast SE black/ white
	semi-elastic	semi-elastic
Quality of rubber	Natural rubber 40 ShA CR black	NBR 65 ShA rhombic pattern CR black
Properties	highly wear-resistant, FDA conform	wear-resistant, FDA conform
Temperature resistance	60 °C	80 °C
Force- and tension-values at 5% at 10% at 20%	0.5 N/mm <sup>2</sup> - -	0.80 N/mm <sup>2</sup> 0.97 N/mm <sup>2</sup> 1.13 N/mm <sup>2</sup>
Pretension	4-6 %	4-6 %
	endless-vulcanized – no seam or splice	
Dimensions		
length	15 - 2000 mm	+/- 1%
width	3 - 280 mm	+/- 1 mm
thickness	0.8 - 15.0 mm	+/- 0.1 mm
		L0= length without tension

**Special production:**

- with tracking guide, grooves or cams
- other dimensions or tighter tolerances
- other qualities of rubber
- inscription of country of origin, item number, etc.

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**HEVALOID® / CRELAST® Endless-Feeder belts FDA**

**Feeder and conveyor belts, length stable**

Type Hevaloid	ECT 06 white	ECG 06 white	525 spec. white
	length stable	length stable	length stable
Tensile member	Polyester fabric, endless woven		
Pulley side	gliding	rubberized	rubberized
Quality of rubber	Natural rubber 40 ShA	Natural rubber 40 ShA	Nitrile rubber 65 ShA
Properties	wear-resistant, highest friction, FDA conform	wear-resistant, highest friction, FDA conform	wear-resistant, low friction, FDA conform
Temperature resistance	60 °C	60 °C	80 °C
Pretension	0.5 - 1.0 %	0.5 - 1.0 %	0.5 - 1.0 %
	Endless vulcanized – no seam or splice		
Dimensions			
length	150 - 499 mm 500 - 9000 mm	+/- 1 % +/- 0.5 %	
width	3 - 140 mm 3 - 280 mm	+/- 1 mm +/- 1 mm	up to length of 499 mm longer than 500 mm
thickness	1.5 - 12.0 mm 3.0 - 8.0 mm	+/- 0.1 mm +/- 0.1 mm	up to length of 1999 mm longer than 2000 mm

**Special production:**

- surface grinded more fine or coarse
- with vacuum holes or diversity of grooves
- other dimensions or tighter tolerances
- other qualities of rubber: e.g. silicone blue 40 ShA, EPDM green 65 ShA
- inscription of country of origin, item number, etc.

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**Minimum pulley-diameter for the feeder belts**

	<b>Crelast EC</b> elastic	<b>Hevaloid ECT 06 / ECG 06</b> Length-stable	
<b>Thickness of the belt</b>	<b>Recommended minimum diameter of the pulley</b>		
[ mm ]	at 1 m/s [ mm ]	at 1 m/s [ mm ]	at 5 m/s [ mm ]
2	30	20	30
3	30	20	35
4	40	30	40
5	40	30	50
6	50	40	60
7	50	40	70
8	55	45	80
9	60	50	80
10	60	50	90
11	70	60	90
12	70	60	100

**Larger pulley diameters are necessary in case of:**

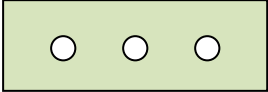

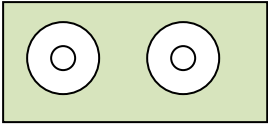
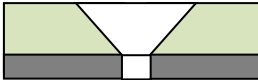
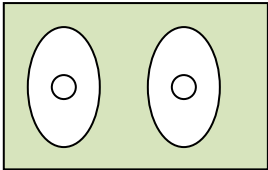
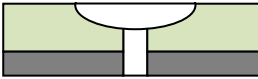
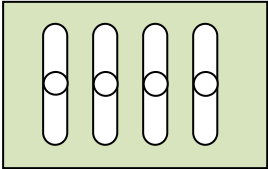
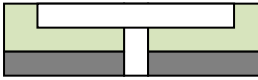
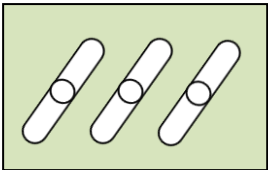
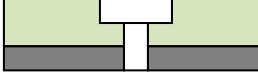
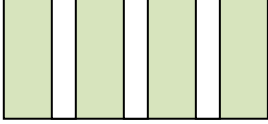
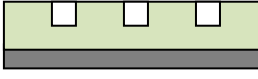


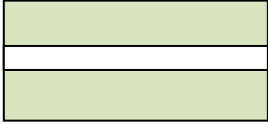
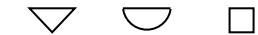
- increased speeds
- short belts (length below 1'000 mm)
- vacuum holes
- angle of contact wider than 180°

If required the optimal thickness of the belt has to be determined in the appropriate installation.

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**Boring, milling and further processing**

Vacuum holes cylindrical		
Vacuum holes conical		
Vacuum holes with oval millings		
Vacuum holes with cross millings		
Vacuum holes with diagonal millings		
Grooves cross		
Grooves diagonal		
Grooves longitudinal for pull-out		
Self-tracking -guides	