

asota® CL10

General points:

asota® CL10 is a melt-spun Polyolefin staple fibre. This fibre type offers an increased thermal shrinkage (>120°C). At processing temperatures between 150°C and 190°C – depending on dwelling time and construction – an additional melt bonding effect can be achieved.

Nonwoven - application:

asota® CL10 is mainly used as binder fibre in exchange of latex for the automotive industry. **asota® CL10** is preferably blended with **PES fibres**, the blending ratio (10% – 30%) depends on the application / demands. With this construction characteristics the textile recycling process can be supported.

Colours:

asota® CL10 is available raw white and spun-dyed. A range of current fashion colours with a minimum light fastness of 6 according to the DIN blue scale can be supplied. The standard colour range is based on the colour chart.

Lubrication:

asota® CL10 is prepared with special lubricants ensuring fully satisfactory processing properties.

Form of supply:

asota® CL10 is supplied as staple fibre, packed in bales

Bale dims.: approx. 115 x 105 x 67 cm
(approx. 45 x 41 x 26 inch)

Bale weight: approx. 200 kg
(approx. 440 lb.)

Supply programme:

dtex	Titre		staple length	
	den	mm	inch	
5,5	~ 5.0	40 / 60 / 90	1.6 / 2.4 / 3.5	
7,0	~ 6.5	40 / 60 / 90	1.6 / 2.4 / 3.5	
11	~ 10	40 / 60 / 90	1.6 / 2.4 / 3.5	
17	~ 15	40 / 60 / 90	1.6 / 2.4 / 3.5	

Details of special dtex and cut lengths on request.

Stabilization:

INDOOR

Base type:

10

Fibre characteristics:

Fibre cross section

Cut length

Crimp

Tenacity

Elongation at break

Thermal shrinkage

Melting point

Specific gravity

	5.5 dtex	7 dtex	11 dtex	17 dtex
Fibre cross section	round	round	round	round
Cut length	40 / 60 / 90	40 / 60 / 90	40 / 60 / 90	40 / 60 / 90
Crimp	4 – 5	4 – 5	4 – 5	4 – 5
Tenacity	> 30 (> 3,3)	> 30 (> 3,3)	> 30 (> 3,3)	> 30 (> 3,3)
Elongation at break	80 – 140	80 – 140	80 – 140	80 – 140
Thermal shrinkage	> 15%	> 15%	> 15%	> 15%
Melting point	~ 140 (~ 284)	~ 140 (~ 284)	~ 140 (~ 284)	~ 140 (~ 284)
Specific gravity	0,90 (0,6)	0,90 (0,6)	0,90 (0,6)	0,90 (0,6)

... further information on request!