

## asota® PP Fine Denier Fibres

### General Points:

**asota® PP Fine Denier Fibres** are melt spun staple fibres.

The fibre properties are adjusted to the requirement of the particular application.

### Fibre denier / Titer:

dtex: 1,0 / 1,3 / 1,7 / 2,2 / 2,8 / 3,3 / 3,8

den: 0,9 / 1,2 / 1,5 / 2,0 / 2,5 / 3,0 / 3,5

Ø µm: 12 / 13 / 15 / 18 / 20 / 22 / 23

Other denier on request

### Cut length / staple:

mm: 6 / 9 / 12 / ... 40 / 50 / 60 / 75 /

inch: 0,25 / 0,30 / 0,5 ... 1,6 / 2 / 2,4 / 3 /

Other cut lengths on request

e.g. 14 / 24 / 34 / 90 / 120 mm

½ / 1⅓ / 3½ / 5 inch

### Stabilization:

Indoor: F10

Outdoor: F11, F15-SUPER UV

Automotive: F10, F12, F13

Thermo: F17

### Tenacity / Elongation:

Depending on requirement: high / medium / low tenacity resp. elongation.

### Thermal shrinkage:

Test conditions: 120°C / 248°F for 10 min. in air.

The shrinkage is ≤ 3 % for all types (except special grades).

### Specific density :

0,9 g/m<sup>3</sup> / 0,61 oz/in<sup>3</sup>

### Melting point:

approx.. 170°C / 338°F

(except special grades / low melts)

### Additional Properties:

- flame retardant (FR)
- antimicrobial (AM)
- especially soft hand (SOFT)

### Colours:

**asota® PP Fine Denier Fibres** are supplied raw white and spundyed as well. An enormous range of colour prescriptions with a light fastness of minimum 6 according to the DIN blue scale is available.

Possible variations are shown as extract in our current colour shade card.

### Lubrication:

**asota® PP Fine Denier Fibres** are prepared with special lubricants ensuring satisfactory processing properties.

According to particular requirements low foaming, FDA-registered and BGA-approved lubricants are available.

### Manufacturing Processes: (depending on fibre type)

- Woollen, • semi worsted, • worsted,
- cotton system spinning (ring + OE-Rotor),
- needle punching, • thermobonding,
- meltbonding

### Form of supply:

**asota® PP Fine Denier Fibres** are supplied as staple fibre, packed in bales.

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

Bale weight: approx. 220 kg  
(485 lb)

In special cases also available as tow or top.

... further information on request!