

## **asota**<sup>®</sup> Fine Denier - additional Properties

### **General Points:**

Additional properties are achieved by using special Polyolefine polymers or additives which are homogenous added during production.

In some cases different properties can be combined.

### **Fibre Characteristics:**

Tenacity and elongation as well as the finishes are adjusted to manufacturing processes respectively to the applications.

Additives may slightly affect other fibre properties.

### **Flame Retardant ( FR )**

**FR 1:** ASTM D2863 (Limited Oxygen Index)

LOI: 25 – 26 % O<sub>2</sub>

DIN 66083 (knitted, DIN 53336)

Classification: S-d

DIN 75200/FMVSS 302:  
self extinguishing

**FR 2:** ASTM D2863

LOI: 23 – 24 % O<sub>2</sub>

DIN 75200/FMVSS 302: self  
self extinguishing

**FR 3:** ASTM D2863

LOI: 22 – 23 % O<sub>2</sub>

DIN 75200/FMVSS 302:  
self extinguishing

### **Antimicrobial ( AM )**

It is used in sportswear or shoe-insole to prevent unpleasant odours. Matress fabrics are protected of mildew and mould.

Tests of fibre blends (e.g. viscose, polyester, Polyamide) have shown excellent anti-microbial effects with a content of just 30 %.

EMPA 223/10 fungi-mix

SN 195 924 germ-count-method

### **Soft Hand ( SOFT )**

Is used for all applications where soft hand is desired, e.g. underwear, sportswear.

... further information on request!