

asota® POLYOLEFIN Fine Denier fibre

Overview

| BASE TYPE STABILIZATION | F10 INDOOR AUTOMOTIVE | F11 OUTDOOR | F12 / F13 AUTOMOTIVE | F15 SUPER UV OUTDOOR | F17 THERMO |
|--|---|---|--|---|--|
| | standard stabilization normal UV stability | high UV stability weather resistant high light resistant | stabilized for automotive use high hot light fastness | extremely high weather and light resistance | improved long term stability at higher temperatures and oxidation resistance |
| Half life time of tenacity: (2,5 dtex) | Xenotest 450 WL 1IR1UV 38 °C STT > 600 h | Xenotest 450 WL 1IR1UV 38 °C STT > 2.200 h | Xenotest 450 WL 1IR1UV 38 °C STT F12: > 2.500 h F13: > 3.500 h | Xenotest 450 WL 1IR1UV 38 °C STT > 3.500 h | |
| Resistance: (2,5 dtex) | | | hot light resistance | | THERMO 1: 168 h, 120 °C, UL res. tenacity: > 90 % THERMO 2: 3.000 h, 120 °C, UL res. tenacity: > 70 % |
| Colours: | light fastness min. 6 (DIN 54004) | light and weather fastness min. 7 (DIN 54071, 54004) | hot light fastness 7 – 8 (DIN 75202, FAKRA) F12: 5 periods, GM 4 F13: 7 periods, GM 4 – 5 | light and weather fastness min. 7 – 8 (DIN 54071, 54004) | light fastness min. 6 (DIN 54004) |
| Applications: | Clothings – knit/weave furnishings mattress fabrics technical textiles filter nonwovens | parasols and garden furnitures in home and leisure time use | automotive textiles like seat covers and panels (F12) hat racks (F13) | awnings sunshades tents marine fabrics garden furniture's | filter interlinings nonwovens |
| Additional properties: | soft hand (SOFT) antimicrobial (AM) flame retardant (FR) spun dyed | antimicrobial (AM) spun dyed | spun dyed | spun dyed | antimicrobial (AM) flame retardant (FR) spun dyed |
| Polymer: | PP, PE, BIKO Lowmelts | PP | PP | PP, PE, BIKO | PP |
| Types: | depending on specific application | | | | |
| Manufacturing processes: | <ul style="list-style-type: none"> • Woollen-, • semi worsted and worsted yarns, • cotton system, • rotor (OE) yarns, • needle punching • wetlaid, • Thermobonding, • Thermofusion, • Meltbonding | | | | |

... further information on request!