

A long lasting solution

UV resistant materials are essential to modern footwear enabling designers to create shoes that will maintain performance over time and be resistant to sun exposure.

Key benefits

- UV stabilizers fully integrated
- Consistent UV performance
- High level of physical properties

More than a product

- Local presence in key markets
- Global manufacturing and supply
- Strong local technical service

The AVALON® advantage

- Over 40 years of footwear industry expertise
- State-of the art production capabilities
- Continuous improvement and innovation
- Solution provider for leading footwear manufacturers and major brands

For more information

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AVALON® 95 ABU

The reliable choice for high UV protection



APAC2014



AVALON[®] 95 ABU

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AVALON[®] 95 ABU is an UV stabilized, high performance polyester-based thermoplastic polyurethane for injection molding footwear applications.

Footwear manufacturers and designers want assurance that the materials they choose will remain stable in aesthetics and performance as long as possible.

AVALON[®] 95 ABU offers a premium, durable material for high performance footwear.

Key performance features

- High UV resistance
- Outstanding abrasion & scratch resistance
- Good flex performance even at low temperatures
- Superior hydrolysis resistance
- Excellent multilayer bonding
- Perfect color match
- Fast cycle times
- Recyclable

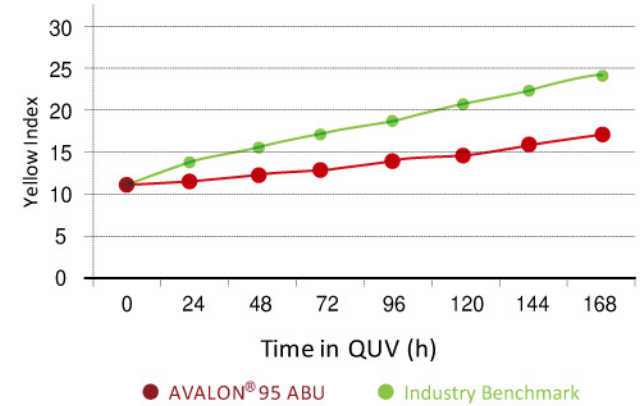
Huntsman TPU is committed to comply with ever-changing, global, regulatory and consumer environmental, health, and safety (EHS) requirements, including the European Union's Restriction of Hazardous Substance Directive (RoHS) and Registration, Evaluation, Authorization and Restriction of Chemical substances (REACH).



Typical applications



High UV resistance



Typical physical properties*

Property	Method	Unit	Value
Hardness	ISO 868	ShA	95
Tensile Strength	DIN 53504	MPa	40
Elongation@ break	DIN 53504	%	480
Tear Strength (Angle)	ISO 34-1	N/mm	115
Abrasion	ISO 4649	mm ³	25
Compression Set (70hrs@23° C)	ISO 815	%	25

* Parts tempered for 20 h @ 100°C prior to testing.

AVALON[®] 95 ABU passes level 4.5 in the AATCC grey scale test and ISO 105-A02:1993/Cor.2:2005.

