

A clear way forward for designers

Transparent materials are an increasingly fundamental facet of sport and consumer goods - enabling manufactures to differentiate their brands and create new products with appealing design and enhanced functions.

Key benefits

- Freedom of design
- High transparency to at least 6mm
- Excellent UV protection
- Consistent quality

More than a product

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

The AVALON® advantage

- Over 40 years of injection molding expertise
- State-of the art production capabilities
- Continuous improvement and innovation
- Solution provider for leading consumer goods manufacturers and major brands



For more information

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AVALON® 95 AHT

The clear choice for high transparency TPUs



APAC2014





AVALON® 95 AHT

The clear choice

AVALON® 95 AHT is a highly transparent, UV-stabilized polyester-based thermoplastic polyurethane designed for injection molding specifically for sports, electronics and technical parts.

Key performance features

High transparency

Excellent UV resistance (level 4.5)

Outstanding abrasion and scratch resistance

Plasticizer-free

Low initial color

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).

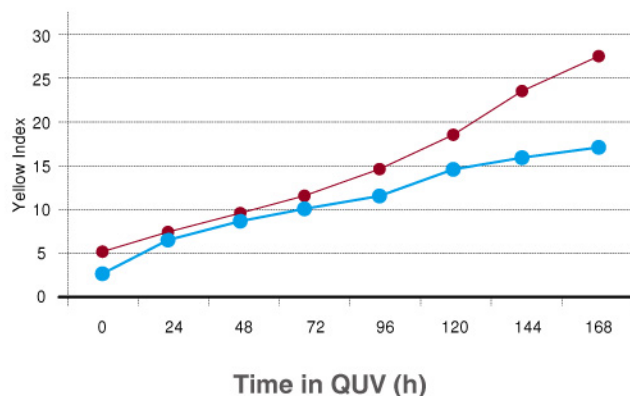


Typical applications

Footwear



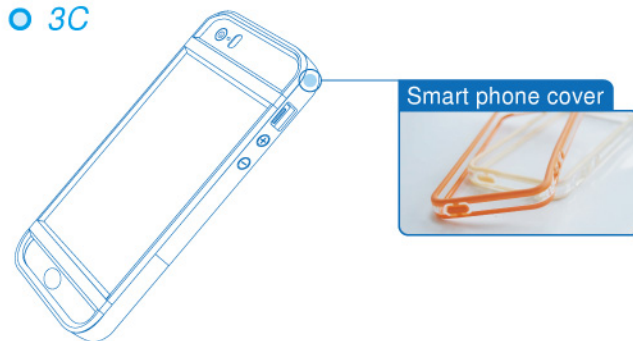
UV stability of AVALON® 95 AHT



● AVALON® 95 AHT ● Industry Benchmark



3C



Zippers



Toys



Typical physical properties*

Property	Method	Unit	Value
Hardness	DIN 53505	A	95
Hardness	DIN 53505	D	48
Tensile Strength	DIN 53504	MPa	55
Elongation@ break	DIN 53504	%	480
Tear Strength (Angle)	DIN 53515	kN/m	120
Abrasion Resistance	DIN 53516	mm ³	30

* Test plates conditioned 20 h at 100°C before testing

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

