

AVALON® 90 AHT DP

TPU

Huntsman Polymers Corp.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	28	MPa	ISO 37
Strain at break	530	%	ISO 37
Tear strength	95	kN/m	ISO 34-1
Abrasion resistance	30	mm ³	ISO 4649
Shore A hardness	90	-	ISO 7619-1
Shore D hardness	44	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	160 - 230	°C	-
Mold temperature	25 - 45	°C	-
Screw speed	20 - 100	rpm	-
Injection pressure	50	MPa	-
Back pressure	0.3 - 3	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

U.V. stabilized or stable to weather, Transparent

Features

Scratch Resistant

Applications

Sports Equipment

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa