

AVALON® 85 AE

TPU

Huntsman Polymers Corp.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	28	MPa	ISO 37
Strain at break	500	%	ISO 37
Tear strength	90	kN/m	ISO 34-1
Abrasion resistance	35	mm ³	ISO 4649
Shore A hardness	85	-	ISO 7619-1
Shore D hardness	37	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1220	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

Features

Scratch Resistant

Applications

Sports Equipment

Regional Availability

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