

Dynalloy™ 8900-60

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0095	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	2.34	MPa	ASTM D 412
Modulus at 300% Elongation	1.01	MPa	ASTM D 412
Shore A Hardness	60	-	ASTM D 2240
Tear Strength	28.9	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	19	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	39	%	ASTM D 395
Tensile Strength at Break	3.72	MPa	ASTM D 412
Elongation at Break	680	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	880	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	15.6 - 26.7	°C	-
Zone 1	160 - 182	°C	-
Zone 2	171 - 193	°C	-
Zone 3	182 - 204	°C	-
Nozzle temperature	182 - 204	°C	-
Screw speed	25 - 100	rpm	-
Injection speed	25.4 - 76.2	mm/s	-
Back pressure	0 - 0.689	MPa	-
Holding pressure	0.362 - 1.65	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Features

Good Adhesion, Soft Feel

Certifications

Food contact, Food approval BFR, Food approval FDA 21 CFR

Applications

General Purpose, Sports Equipment

Regional Availability

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