

**Dynalloy™ 8900-30**

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0115</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Modulus at 100% Elongation	<b>1.03</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>0.528</b>	MPa	ASTM D 412
Shore A Hardness	<b>30</b>	-	ASTM D 2240
Tear Strength	<b>14</b>	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	<b>17</b>	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	<b>40</b>	%	ASTM D 395
Tensile Strength at Break	<b>2.07</b>	MPa	ASTM D 412
Elongation at Break	<b>800</b>	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	<b>880</b>	kg/m <sup>3</sup>	ASTM D 792

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