

**Dynaflex™ G7670-1 (Natural)**

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	21	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Modulus at 100% Elongation	2.79	MPa	ASTM D 412
Modulus at 300% Elongation	1.21	MPa	ASTM D 412
Shore A Hardness	71	-	ASTM D 2240
Tear Strength	29.8	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	19	%	ASTM D 395
Tensile Strength at Break	7.03	MPa	ASTM D 412
Elongation at Break	670	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1180	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	15.6 - 37.8	°C	-
Zone 1	166 - 177	°C	-
Zone 2	177 - 193	°C	-
Zone 3	188 - 227	°C	-
Nozzle temperature	193 - 227	°C	-
Screw speed	40 - 100	rpm	-
Injection speed	25.4 - 76.2	mm/s	-
Back pressure	0 - 0.827	MPa	-
Holding pressure	0.724 - 1.86	MPa	-

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Pellets, Natural Color

**Features**

Good Adhesion, Soft Feel

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

General Purpose, Sports Equipment

**Regional Availability**

Asia Pacific