

**Dynaflex™ G7650-9 (Black)**

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.015	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Modulus at 100% Elongation	1.52	MPa	ASTM D 412
Modulus at 300% Elongation	0.92	MPa	ASTM D 412
Shore A Hardness	48	-	ASTM D 2240
Tear Strength	20.5	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	12	%	ASTM D 395
Tensile Strength at Break	4.83	MPa	ASTM D 412
Elongation at Break	700	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1170	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	15.6 - 26.7	°C	-
Zone 1	160 - 177	°C	-
Zone 2	177 - 188	°C	-
Zone 3	188 - 216	°C	-
Nozzle temperature	188 - 227	°C	-
Screw speed	40 - 100	rpm	-
Injection speed	25.4 - 127	mm/s	-
Back pressure	0 - 1.03	MPa	-
Holding pressure	1.21 - 2.59	MPa	-

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Pellets, Black

**Features**

Good Adhesion, Soft Feel

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

General Purpose, Sports Equipment

**Regional Availability**

Asia Pacific