

Dynaflex™ G7690-9 (Black)

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14	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
ASTM Data			
Modulus at 100% Elongation	4.55	MPa	ASTM D 412
Modulus at 300% Elongation	2.07	MPa	ASTM D 412
Shore A Hardness	89	-	ASTM D 2240
Tear Strength	46.4	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	38	%	ASTM D 395
Tensile Strength at Break	11	MPa	ASTM D 412
Elongation at Break	600	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1180	kg/m ³	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

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