

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>54</b>	g/10min	ASTM D 1238
Temperature	<b>200</b>	°C	-
Load	<b>5</b>	kg	-
Mold Shrinkage, MD	<b>0.0085</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Modulus at 100% Elongation	<b>3.65</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>1.36</b>	MPa	ASTM D 412
Shore A Hardness	<b>80</b>	-	ASTM D 2240
Tear Strength	<b>33.3</b>	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	<b>26</b>	%	ASTM D 395
Tensile Strength at Break	<b>6.76</b>	MPa	ASTM D 412
Elongation at Break	<b>620</b>	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-

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

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

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