

**Product Texts**

Preliminary Data

The Monprene CP-11100 High Density Series of thermoplastic elastomer compounds, available in NAT or colors, from 40 to 90 Shore A, are designed specifically for consumer product applications requiring a soft, rubber-like feel. Monprene CP-11160 is a medium hardness, high density, filled grade that is suitable for injection molding.

Adheres to PP

Property	Value	Unit	Standard
Tensile Stress at 100% (across flow)	1.45	MPa	ISO 37
Tensile Stress at Break (across flow)	10.2	MPa	ISO 37
Tensile Strain at Break (across flow)	890	%	ISO 37
Tear Strength (across flow)	25	kN/m	ISO 34-1
Apparent Shear Viscosity (200 °C)	196	Pas	ASTM D3835

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Stress at 100% elongation	<b>1.66</b>	MPa	ISO 527
Strain at break	<b>750</b>	%	ISO 37
Compression set at 70 °C, 24h	<b>33</b>	%	ISO 815
Tear strength	<b>27</b>	kN/m	ISO 34-1
Shore A hardness	<b>60</b>	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	<b>1150</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>65</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>182 - 227</b>	°C	-
Mold temperature	<b>27 - 49</b>	°C	-
Zone 1	<b>160 - 177</b>	°C	-
Zone 2	<b>182 - 204</b>	°C	-
Zone 3	<b>193 - 216</b>	°C	-
Nozzle temperature	<b>182 - 227</b>	°C	-
Screw speed	<b>50 - 100</b>	rpm	-
Back pressure	<b>0.172 - 0.689</b>	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Opaque

**Chemical Resistance**

General Chemical Resistance

**Applications**

General Purpose, Sports Equipment

**Regional Availability**

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

**Features**

Good Adhesion, Soft Feel