

## TECHNICAL DATA SHEET

# Monprene® CP-11160

Teknor Apex Co.

TPE-X

**Processing**

Injection molding

**Delivery Form**

Pellets

**Special Characteristics**

Opaque

**Features**

Good adhesion, Soft feel

**Chemical Resistance**

General chemical resistance

**Applications**

General purpose, Sports equipment

## Product Text

**Product Information**

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	Standard
Strain at break	750	%	ISO 37
Stress at 100% elongation	1.66	MPa	
Compression set at 70 °C, 24h	33	%	ISO 815
Tear strength, parallel	27	kN/m	ISO 34-1
Shore A hardness, 15s	60		ISO 7619-1

# Monprene® CP-11160

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

  

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