

**Product Texts**

Preliminary Data

The Monprene CP-18200 Unfilled, High Flow Series of thermoplastic elastomer compounds, with good UV resistance, available in NAT or colors, from 40 to 80 Shore A, are designed specifically for EU consumer product applications requiring a soft, rubber-like feel. Monprene CP-18240 is a low hardness, low density grade that is suitable for injection molding.

Adheres to PP

Property	Value	Unit	Standard
Apparent Viscosity (200 °C, 206 1/s)	101	Pas	ASTM D3835

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Compression set at 23 °C, 24h	22	%	ISO 815
Compression set at 70 °C, 24h	44	%	ISO 815
<b>ASTM Data</b>			
Modulus at 100% Elongation	1.1	MPa	ASTM D 412
Modulus at 300% Elongation	0.57	MPa	ASTM D 412
Shore A Hardness	40	-	ASTM D 2240
Tensile Strength at Break	7.8	MPa	ASTM D 412
Elongation at Break	900	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	890	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	65	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	180 - 230	°C	-
Mold temperature	15 - 50	°C	-
Zone 1	120 - 160	°C	-
Zone 2	160 - 230	°C	-
Zone 3	180 - 230	°C	-
Nozzle temperature	180 - 230	°C	-
Screw speed	50 - 100	rpm	-
Back pressure	0.5 - 1.5	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

U.V. stabilized or stable to weather, Translucent

**Features**

Good Adhesion, Soft Feel

**Chemical Resistance**

General Chemical Resistance

**Applications**

General Purpose

**Regional Availability**

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