

**Product Texts**

Preliminary Data

The Monprene CP-17200 Filled, 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-17270 is a medium hardness, medium density grade that is suitable for injection molding and extrusion.

Adheres to PP

Property	Value	Unit	Standard
Apparent Viscosity (200 °C, 206 1/s)	107	Pas	ASTM D3835

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Modulus at 100% Elongation	1.9	MPa	ASTM D 412
Modulus at 300% Elongation	0.87	MPa	ASTM D 412
Shore A Hardness	70	-	ASTM D 2240
Compression Set , 22 hr @ 73 °F	31	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	55	%	ASTM D 395
Tensile Strength at Break	7.6	MPa	ASTM D 412
Elongation at Break	800	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1050	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	199 - 249	°C	-
Mold temperature	35 - 49	°C	-
Zone 1	182 - 232	°C	-
Zone 2	188 - 238	°C	-
Zone 3	193 - 243	°C	-
Nozzle temperature	199 - 249	°C	-
Screw speed	50 - 100	rpm	-
Injection pressure	1.38 - 5.52	MPa	-
Back pressure	0.172 - 0.689	MPa	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Zone 1	182 - 232	°C	-
Zone 2	188 - 238	°C	-
Zone 3	193 - 243	°C	-
Zone 4	199 - 249	°C	-
Zone 5	199 - 249	°C	-
Nozzle temperature	199 - 249	°C	-

**Characteristics**

**Processing**

Injection Molding, Other Extrusion

**Delivery form**

Pellets

**Additives**

Lubricants

**Special Characteristics**

U.V. stabilized or stable to weather, Opaque

**Features**

Good Adhesion, Soft Feel

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

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