

**Product Texts**

Preliminary Data

The Monprene RG-18200 series is a group of unfilled high performance thermoplastic elastomers with high flow specifically designed for EU injection molded regulated applications including food contact, toys, and children's products. Monprene RG-18240 is a low density, low hardness grade that complies with various US FDA and European regulations and directives for food contact and toy safety and 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	23	%	ISO 815
Compression set at 70 °C, 24h	40	%	ISO 815
<b>ASTM Data</b>			
Modulus at 100% Elongation	1.19	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	7.6	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

**Additives**  
Lubricants

**Special Characteristics**  
Translucent

**Features**  
Good Adhesion

**Certifications**  
Food contact, Food approval FDA 21 CFR

**Applications**  
Packaging

**Regional Availability**  
North America, Europe, South and Central America, Near East/Africa