

**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-18260 is a low density, medium 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)	96	Pas	ASTM D3835

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Compression set at 23 °C, 24h	<b>30</b>	%	ISO 815
Compression set at 70 °C, 24h	<b>51</b>	%	ISO 815
<b>ASTM Data</b>			
Modulus at 100% Elongation	<b>2.11</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>0.95</b>	MPa	ASTM D 412
Shore A Hardness	<b>60</b>	-	ASTM D 2240
Tensile Strength at Break	<b>7.11</b>	MPa	ASTM D 412
Elongation at Break	<b>800</b>	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	<b>890</b>	kg/m <sup>3</sup>	ISO 1183

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>180 - 230</b>	°C	-
Mold temperature	<b>15 - 50</b>	°C	-
Zone 1	<b>120 - 160</b>	°C	-
Zone 2	<b>160 - 230</b>	°C	-
Zone 3	<b>180 - 230</b>	°C	-
Nozzle temperature	<b>180 - 230</b>	°C	-
Screw speed	<b>50 - 100</b>	rpm	-
Back pressure	<b>0.5 - 1.5</b>	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