

# Monprene® CP-18270

TPE

Teknor Apex Co.

## 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-18270 is a medium hardness, low density grade that is suitable for injection molding.

Adheres to PP

Property	Value	Unit	Standard
Apparent Viscosity (200 °C, 206 1/s)	104	Pas	ASTM D3835

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Compression set at 23 °C, 24h	31	%	ISO 815
Compression set at 70 °C, 24h	55	%	ISO 815
<b>ASTM Data</b>			
Modulus at 100% Elongation	2.2	MPa	ASTM D 412
Modulus at 300% Elongation	1	MPa	ASTM D 412
Shore A Hardness	70	-	ASTM D 2240
Tensile Strength at Break	6.7	MPa	ASTM D 412
Elongation at Break	500	%	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