TECHNICAL DATA SHEET

Monprene® CP-17250

Teknor Apex Co.

TPE-X

Processing

Injection molding

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

Product Text

Product Information

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-17250 is a medium hardness, medium density grade that is suitable for injection molding.

Adheres to PP

Property	Value	Unit	Standard
Apparent Viscosity (200 °C, 206 1/s)	109	Pas	ASTM D3835

Mechanical Properties	Value	Unit	Standard
Modulus at 100% elongation	1.3	MPa	ASTM D 412
Modulus at 300% elongation	0.63	MPa	ASTM D 412
Shore A hardness	50		ASTM D 2240
Compression set, 22 hr @ 73 °F	22	%	ASTM D 395
Compression set, 22 hr @ 158 °F	43	%	ASTM D 395
Tensile strength at break	7.9	MPa	ASTM D 412
Elongation at break	900	%	ASTM D 412

Other Properties	Value	Unit	Standard
Density	1050	kg/m³	ISO 1183

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Processing Recommendation Injection Molding	Value	Unit	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	