

TECHNICAL DATA SHEET

Monprene® CP-10130

Teknor Apex Co.

TPE

Processing

Injection molding

Delivery Form

Pellets

Additives

Lubricants

Special Characteristics

Translucent

Features

Good adhesion, Soft feel

Product Text

Product Information

Preliminary Data

The Monprene CP-10100 Series of thermoplastic elastomer compounds, available in NAT or colors, from 40 to 90 Shore A, are designed specifically for consumer product applications requiring a soft, rubber-like feel. Monprene CP-10130 is a low hardness, low density, unfilled grade that is suitable for injection molding.

Adheres to PP

Property	Value	Unit	Standard
Tensile Stress at 100% (across flow)	0.48	MPa	ISO 37
Tensile Stress at Break (across flow)	4.2	MPa	ISO 37
Tensile Strain at Break (across flow)	860	%	ISO 37
Tear Strength (across flow)	6.2	kN/m	ISO 34-1
Apparent Viscosity (200 °C, 206 1/s)	204	Pas	ASTM D3835

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	1.5	g/10min	ASTM D 1238
Temperature	200	°C	
Load	5	kg	

Mechanical Properties	Value	Unit	Standard
Compression set at 23 °C, 24h	13	%	
Compression set at 70 °C, 24h	20	%	ISO 815

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Mechanical Properties	Value	Unit	Standard
Tear strength, parallel	12	kN/m	ISO 34-1
Shore A hardness, 15s	29		ISO 7619-1
Other Properties	Value	Unit	Standard
Density	888	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding	Value	Unit	Standard
Pre-drying - temperature	65	°C	
Pre-drying - time	2 - 4	h	
Melt temperature	182 - 227	°C	
Mold temperature	27 - 49	°C	
Zone 1	160 - 177	°C	
Zone 2	182 - 204	°C	
Zone 3	182 - 216	°C	
Nozzle temperature	182 - 227	°C	
Screw speed	50 - 100	rpm	
Back pressure	0.172 - 0.689	MPa	