

Monprene® CP-28133

Thermoplastic Elastomer

Teknor Apex Company

Message:

Monprene® CP-28133 is a thermoplastic elastomer (TPE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is extrusion or injection molding. Monprene®The main characteristics of the CP-28133 are: low hardness. Typical application areas include:

- Handle
- safety equipment
- kitchen utensils
- engineering/industrial accessories
- Hose

General Information			
Features	Low Specific Gravity		
	Without Fillers		
	Low density		
	Low liquidity		
	Hardness, low		
Uses	Safety equipment		
	Handle		
	Kitchen utensils		
	Washer		
	Pipe fittings		
	Sporting goods		
	Stationery		
	Consumer goods application field		
Appearance	Translucent		
	Particle		
Forms	Particle		
	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.888	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	35		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	1.21	MPa	ASTM D412

Tensile Strength (Break)	5.52	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Tear Strength	14.9	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	16	%	ASTM D395
70°C, 22 hr	38	%	ASTM D395

Injection	Nominal Value	Unit
Rear Temperature	182 - 232	°C
Middle Temperature	188 - 238	°C
Front Temperature	193 - 243	°C
Nozzle Temperature	199 - 249	°C
Processing (Melt) Temp	199 - 249	°C
Mold Temperature	35.0 - 48.9	°C
Injection Pressure	1.38 - 5.52	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.689	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 25.4	mm

Injection instructions

无需干燥.但如果湿度过大,则将粒料在150°F (65°C)的温度下干燥2-4小时.

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	182 - 232	°C
Cylinder Zone 2 Temp.	188 - 238	°C
Cylinder Zone 3 Temp.	193 - 243	°C
Cylinder Zone 5 Temp.	199 - 249	°C
Die Temperature	199 - 249	°C

Extrusion instructions

螺杆转速30 - 100 rpm

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