Monprene® CP-29043

Thermoplastic Elastomer

Teknor Apex Company

Message:

Monprene®CP-29043 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.

Typical application areas include:

Handle

safety equipment

packing

kitchen utensils

engineering/industrial accessories

Handle Packaging Kitchen utensils Washer Pipe fittings Sporting goods Shell Stationery Consumer goods application field Toothbrush handle Medical/nursing supplies Appearance Natural color Forms Particle Extrusion Injection molding Physical Nominal Value Unit Test Method Specific Gravity 0.938 g/cm² ASTM D792 Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) 5.0 Gy/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Unit Test Method Durometer Hardness Shaw A 45 Shaw A 45 Shaw A 45 Shaw A 5 Seconds 43 Nominal Value Unit Test Method Unit Test Method Durometer Hardness Shaw A 45 Shaw A 45 Shaw A 45 Shaw A 45 Shaw A 5 Seconds 43 Nominal Value Unit Test Method Test Method Unit Test Method	General Information					
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Tensile Elongation (Break) 700 % ASTM D412	Tensile Strength (Break)	7.58	MPa	ASTM D412		
	Tensile Elongation (Break)	700	%	ASTM D412		

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	МРа	
Injection Rate	Fast		
Back Pressure	0.172 - 0.689	МРа	
Screw Speed	50 - 100	rpm	
Cushion	3.81 - 25.4	mm	
Injection instructions			

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

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		

Screw Speed: 30 to 100 rpm

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