

Telcar® TL-2069B

Thermoplastic Elastomer

Teknor Apex Company

Message:

Telcar®TL-2069B 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 methods are: extrusion, compression molding or injection molding.

Typical application areas include:

- bag/lining
- packing
- hat/cap/cork

General Information	
Uses	Lining
	Shield
	Food packaging
Appearance	Opacity
Forms	Particle
Processing Method	Extrusion
	Molding
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.988	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (175°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	62		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3.79	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	171 - 193	°C	
Middle Temperature	177 - 199	°C	
Front Temperature	182 - 204	°C	
Nozzle Temperature	188 - 210	°C	
Processing (Melt) Temp	188 - 210	°C	
Mold Temperature	25.0 - 65.6	°C	
Injection Pressure	1.38 - 6.89	MPa	
Injection Rate	Moderate-Fast		
Back Pressure	0.172 - 0.345	MPa	
Screw Speed	50 - 100	rpm	

Cushion	3.81 - 25.4	mm
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	166 - 188	°C
Cylinder Zone 2 Temp.	171 - 193	°C
Cylinder Zone 3 Temp.	177 - 199	°C
Cylinder Zone 5 Temp.	182 - 204	°C
Die Temperature	190 - 210	°C
Extrusion instructions		

Screw Speed: 30 to 100 rpm

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Recommended distributors for this material

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