Telcar® TL-1431C

Teknor Apex Company - Thermoplastic Elastomer

Tuesday, April 7, 2026

General Information

Product Description

Telcar TL-1431C is a general purpose thermoplastic elastomer, available in NAT and BLK, designed for various applications in the automotive, consumer and industrial segments. Telcar TL-1431C is a medium hardness, medium density, weatherable grade that is suitable for injection molding and extrusion.

General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Chemical Resistant • Filled • Good Adhesion	• Good Colorability • Good Weather Resistance • Light Stabilized	• Medium Density • Medium Flow • Medium Hardness
Uses	• Automotive Applications • Automotive Exterior Parts • Automotive Exterior Trim	• Automotive Interior Parts • General Purpose • Industrial Applications	• Rubber Replacement • Weatherstripping
RoHS Compliance	• RoHS Compliant		
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	1100	psi	ASTM D412
Tensile Elongation (Break)	430	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	79		
Shore A, 5 sec, Injection Molded	77		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	340 to 400	°F
Middle Temperature	350 to 410	°F
Front Temperature	360 to 420	°F
Nozzle Temperature	370 to 430	°F
Processing (Melt) Temp	370 to 430	°F
Mold Temperature	60 to 90	°F
Injection Pressure	200 to 1000	psi

Revision Date: 6/1/2016

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Injection	Nominal Value	Unit
Injection Rate	Moderate-Fast	
Back Pressure	25.0 to 50.0	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	320 to 370	°F
Cylinder Zone 2 Temp.	330 to 380	°F
Cylinder Zone 3 Temp.	340 to 390	°F
Cylinder Zone 4 Temp.	340 to 390	°F
Cylinder Zone 5 Temp.	350 to 400	°F
Die Temperature	364 to 410	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

[1] Typical properties: these are not to be construed as specifications.

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