

Telcar® TL-1431C

Thermoplastic Elastomer

Teknor Apex Company

Message:

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 Information			
Features	Light stabilization		
	Good coloring		
	Good adhesion		
	Medium liquidity		
	Good chemical resistance		
	Good weather resistance		
	Fill		
	Medium density		
	Medium hardness		
Uses	Industrial application		
	Weather-resistant sealing strip		
	Application in Automobile Field		
	Car interior parts		
	Automotive exterior parts		
	Car exterior decoration		
	General		
	Rubber substitution		
RoHS Compliance	RoHS compliance		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240

Shore A, 1 second, injection molding	79		ASTM D2240
Shore A, 5 seconds, injection molding	77		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	7.58	MPa	ASTM D412
Tensile Elongation (Break)	430	%	ASTM D412

Legal statement

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in medical or food contact applications without the prior written acknowledgement of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.

Injection	Nominal Value	Unit
Rear Temperature	171 - 204	°C
Middle Temperature	177 - 210	°C
Front Temperature	182 - 216	°C
Nozzle Temperature	188 - 221	°C
Processing (Melt) Temp	188 - 221	°C
Mold Temperature	16 - 32	°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.	160 - 188	°C
Cylinder Zone 2 Temp.	166 - 193	°C
Cylinder Zone 3 Temp.	171 - 199	°C
Cylinder Zone 4 Temp.	171 - 199	°C
Cylinder Zone 5 Temp.	177 - 204	°C
Die Temperature	184 - 210	°C

Extrusion instructions

Screw Speed: 30 to 100 rpm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

