Telcar® TL-2425F

Teknor Apex Company - Thermoplastic Elastomer

Tuesday, April 7, 2026

General Information

Product Description

Telcar TL-2425F is a general purpose thermoplastic elastomer, available in NAT, BLK, and colors, designed for a variety of industrial applications, including seals and gaskets. Telcar TL-2425F is a medium density, low hardness, ROHS compliant grade suitable for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Abrasion Resistant • Filled • Good Color Stability • Good Colorability • Good Flexibility	• Good Mold Release • Good Moldability • Good Processability • High Elongation • Low Hardness	• Medium Density • Medium Flow • Soft
Uses	• Buttons • General Purpose • Handles	• Industrial Applications • Rubber Replacement • Soft Touch Applications	• Weatherstripping
RoHS Compliance	• RoHS Compliant		
Appearance	• Black • Colors Available	• Natural Color • Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.980		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ASTM D412
Across Flow : 100% Strain	94.0	psi	
Flow : 100% Strain	127	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	160	psi	
Flow : 300% Strain	194	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	775	psi	
Flow : Break	701	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	840	%	
Flow : Break	830	%	
Tear Strength [2]			ASTM D624
Across Flow	97.0	lbf/in	
Flow	81.0	lbf/in	
Compression Set [3]			ASTM D395B
73°F, 22 hr	12	%	
158°F, 22 hr	32	%	

Revision Date: 8/23/2019

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Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	26		
Shore A, 5 sec, Injection Molded	24		

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	340 to 380	°F
Middle Temperature	350 to 390	°F
Front Temperature	360 to 400	°F
Nozzle Temperature	370 to 410	°F
Processing (Melt) Temp	370 to 410	°F
Mold Temperature	60 to 90	°F
Injection Pressure	200 to 1000	psi
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

Notes

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

[2] Die C, 20 in/min

[3] Type 1

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