Telcar® TL-2440DF

Teknor Apex Company - Thermoplastic Elastomer

Tuesday, April 7, 2026

General Information

Product Description

Telcar TL-2440DF is a general purpose thermoplastic elastomer designed for a variety of industrial applications. Telcar TL-2440DF is a medium density, high hardness grade suitable for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Filled • High Flow	• High Hardness • Medium Density	• Slip
Uses	• Consumer Applications	• General Purpose	• Industrial Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• 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)	24	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress - Flow [2] (100% Strain, 73°F)	775	psi	ASTM D412
Tensile Strength - Flow [2] (Break, 73°F)	900	psi	ASTM D412
Tensile Elongation (Break)	330	%	ASTM D412
Tear Strength - Flow [2] (73°F)	225	lbf/in	ASTM D624
Compression Set			ISO 815
73°F, 22 hr	49	%	
158°F, 22 hr	70	%	
257°F, 70 hr	33	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore D, 1 sec	40		
Shore D, 5 sec	36		

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

Revision Date: 6/10/2024

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Injection	Nominal Value	Unit
Nozzle Temperature	370 to 410	°F
Processing (Melt) Temp	370 to 410	°F
Mold Temperature	77 to 150	°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

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