Telcar® TL-2540DF

Teknor Apex Company - Thermoplastic Elastomer

Tuesday, April 7, 2026

General Information

Product Description

Telcar TL-2540DF is a high performance thermoplastic elastomer, available in NAT and colors, designed for a variety of consumer and industrial applications. Telcar TL-2540DF is a high density, high hardness, filled grade suitable for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Filled • Good Mold Release • Good Moldability • Good Processability	• Good Processing Stability • Good Strength • Halogen Free • High Density	• High Flow • High Hardness • High Specific Gravity • 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	1.18		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 Stress [2]			ASTM D412
Across Flow : 100% Strain	741	psi	
Flow : 100% Strain	1130	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	888	psi	
Flow : 300% Strain	1290	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	1250	psi	
Flow : Break	1520	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	570	%	
Flow : Break	480	%	
Tear Strength [2]			ASTM D624
Across Flow	239	lbf/in	
Flow	314	lbf/in	
Compression Set [3]			ASTM D395B
73°F, 22 hr	60	%	
158°F, 22 hr	78	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore D, 1 sec	45		
Shore D, 5 sec	42		

Revision Date: 6/12/2024

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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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