Telcar® TELC-340

Teknor Apex Company - Thermoplastic Elastomer

Tuesday, April 7, 2026

General Information

Product Description

Telcar TELC-340 is a general purpose thermoplastic elastomer designed for the consumer and industrial markets. Telcar TELC-340 is a high hardness, low density grade that is suitable for extrusion and injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Good Colorability • Good Flow • Good Melt Strength	• Good Mold Release • Good Moldability • Good Processability • Good Processing Stability	• High Hardness • Low Density • Low Specific Gravity • Without Fillers
Uses	• General Purpose	• Industrial Applications	• Profiles
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Translucent
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.890		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus	25000	psi	ASTM D790
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 37
Across Flow : 100% Strain	905	psi	
Flow : 100% Strain	1210	psi	
Tensile Strength			ISO 37
Across Flow : Break	1810	psi	
Flow : Break	1440	psi	
Tensile Elongation			ISO 37
Across Flow : Break	810	%	
Flow : Break	560	%	
Tear Strength - Across Flow	423	lbf/in	ISO 34
Compression Set [2] (73°F, 22 hr)	57	%	ISO 815
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			
Shore A, Instant	94		ISO 868
Shore D, Injection Molded	36		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -58.0	°F	ASTM D746

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Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			ISO 188
230°F, 1008 hr	-7.2	%	
257°F, 168 hr	-4.0	%	
Change in Tensile Strain at Break in Air - Across Flow			ISO 188
230°F, 1008 hr	-14	%	
257°F, 168 hr	-8.3	%	
Change in Shore Hardness in Air			ISO 188
Shore A, 230°F, 1008 hr	-0.20		
Shore A, 257°F, 168 hr	0.50		

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec^-1)	322	Pa·s	ASTM D3835

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	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

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	330 to 370	°F
Cylinder Zone 2 Temp.	340 to 380	°F
Cylinder Zone 3 Temp.	350 to 390	°F
Cylinder Zone 4 Temp.	350 to 390	°F
Cylinder Zone 5 Temp.	360 to 400	°F
Die Temperature	374 to 410	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

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

[2] Method A

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