Telcar® TL-1343A BLK 111

Teknor Apex Company - Thermoplastic Elastomer

Tuesday, April 7, 2026

General Information

Product Description

Telcar TL-1343A BLK 111 is a general purpose thermoplastic elastomer designed for electrical applications requiring flexibility over a wide temperature range. Telcar TL-1343A BLK 111 is a medium hardness, medium density, RoHS compliant grade suitable for injection molding and extrusion.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Filled • Good Melt Strength • Good Mold Release	• Good Moldability • Good Processability • Light Stabilized • Low Flow	• Medium Density • Medium Hardness • Slip
Uses	• General Purpose	• Weatherstripping	
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.02		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ASTM D412
Across Flow : 100% Strain	296	psi	
Flow : 100% Strain	453	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	452	psi	
Flow : 300% Strain	612	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	895	psi	
Flow : Break [3]	1670	psi	
Flow : Break	742	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	560	%	
Flow : Break [3]	730	%	
Flow : Break	480	%	
Tear Strength [2]			ASTM D624
Across Flow	172	lbf/in	
Flow	154	lbf/in	
Compression Set [4]			ASTM D395B
73°F, 22 hr	26	%	
158°F, 22 hr	49	%	

Revision Date: 8/20/2019

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Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	64		
Shore A, 10 sec, Injection Molded	59		

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	460 to 480	°F
Middle Temperature	460 to 480	°F
Front Temperature	460 to 480	°F
Nozzle Temperature	460 to 480	°F
Processing (Melt) Temp	460 to 480	°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

Injection Notes

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	420 to 460	°F
Cylinder Zone 2 Temp.	420 to 460	°F
Cylinder Zone 3 Temp.	420 to 460	°F
Cylinder Zone 4 Temp.	420 to 460	°F
Cylinder Zone 5 Temp.	420 to 460	°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] Die C, 20 in/min

[3] Extruded tape

[4] Type 1

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