TEKNOR APEX

Sarlink® TPE ME-2690B

Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

Product Description

Sarlink ME-2690B is a high flow, high hardness molding grade with UV resistance, for automotive exterior applications.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Filled • Good Flow • Good Melt Strength • Good Mold Release • Good Moldability • Good Processability	• Good Processing Stability • Good Surface Finish • High Elongation • High Flow • High Hardness • High Strength	• Light Stabilized • Low Gloss • Medium Density • Medium Viscosity • UV Resistant
Uses	• Aerospace Applications • Automotive Applications	• Automotive Exterior Parts • Automotive Exterior Trim	• Automotive Window Encapsulation • Seals
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ISO 37
Across Flow : 100% Strain	653	psi	
Flow : 100% Strain	827	psi	
Tensile Stress [2]			ISO 37
Across Flow : Break	2510	psi	
Flow : Break	1870	psi	
Tensile Elongation [2]			ISO 37
Across Flow : Break	790	%	
Flow : Break	680	%	
Tear Strength [3]			ISO 34-1
Across Flow	274	lbf/in	
Flow	274	lbf/in	
Compression Set [4]			ISO 815
73°F, 22 hr	35	%	
158°F, 22 hr	52	%	
194°F, 70 hr	67	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore A, 1 sec, Injection Molded	89		
Shore A, 5 sec, Injection Molded	88		
Shore A, 15 sec, Injection Molded	87		

Revision Date: 7/22/2019

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Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow			ISO 188
230°F, 1008 hr	-2.3	%	
257°F, 168 hr	-6.9	%	
Change in Tensile Strain at Break in Air - Across Flow [5]			ISO 188
230°F, 1008 hr	2.8	%	
257°F, 168 hr	-3.1	%	
Change in Shore Hardness in Air [6]			ISO 188
Shore A, 230°F, 1008 hr	1.6		
Shore A, 257°F, 168 hr	1.6		

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec^-1)	218	Pa·s	ASTM D3835

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0	hr
Rear Temperature	338 to 356	°F
Middle Temperature	356 to 392	°F
Front Temperature	392 to 428	°F
Nozzle Temperature	410 to 446	°F
Processing (Melt) Temp	392 to 446	°F
Mold Temperature	50 to 140	°F
Injection Pressure	870 to 1740	psi
Injection Rate	Fast	
Holding Pressure	580 to 870	psi
Back Pressure	72.5 to 290	psi
Screw Speed	50 to 120	rpm

Injection Notes

Drying is not necessary. However, if moisture is a problem, dry the pellets 2 to 4 hours at 65 degrees Celsius.

Time Settings
Injection Time: 0.5-2 seconds
Holding Time: 1-10 seconds
Cooling Time: As short as possible. The parts should be removable without deformation or piercing of the ejector(s)

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Notes

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

[2] Type 1, 20 in/min

[3] Method Ba, Angle (Unnicked), 20 in/min

[4] Type A

[5] Type 1

[6] 5 sec

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