Sarlink® TPE EE-2250DB BLK

Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

Product Description

Sarlink EE-2250DB BLK is a high performance thermoplastic elastomer used in a variety of transportation applications. Sarlink EE-2250DB BLK is a high hardness medium density extrusion grade.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Filled • Good Color Stability • Good Melt Strength	• Good Processability • High Hardness • High Viscosity • Light Stabilized	• Low Flow • Medium Density
Uses	• Automotive Applications	• Automotive Exterior Parts	• Automotive Exterior Trim
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Extrusion		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ISO 37
Across Flow : 100% Strain	1470	psi	
Flow : 100% Strain	2050	psi	
Tensile Stress [2]			ISO 37
Across Flow : Break	1830	psi	
Flow : Break	2200	psi	
Tensile Elongation [2]			ISO 37
Across Flow : Break	720	%	
Flow : Break	360	%	
Tear Strength [3]			ISO 34-1
Across Flow	830	lbf/in	
Flow	504	lbf/in	
Compression Set [4]			ISO 815
73°F, 22 hr	46	%	
158°F, 22 hr	75	%	
194°F, 70 hr	85	%	
257°F, 70 hr	100	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore D, 1 sec, Injection Molded	54		
Shore D, 5 sec, Injection Molded	51		
Shore D, 15 sec, Injection Molded	50		

Revision Date: 4/12/2021

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Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air [5]			ISO 188
Across Flow : 230°F, 1008 hr	0.0	%	
Flow : 230°F, 1008 hr	22	%	
Across Flow : 100% Strain 230°F, 1008 hr	20	%	
Flow : 100% Strain 230°F, 1008 hr	29	%	
Across Flow : 257°F, 168 hr	0.80	%	
Flow : 257°F, 168 hr	31	%	
Across Flow : 100% Strain 257°F, 168 hr	18	%	
Flow : 100% Strain 257°F, 168 hr	41	%	
Change in Tensile Strain at Break in Air [5]			ISO 188
Across Flow : 230°F, 1008 hr	-35	%	
Flow : 230°F, 1008 hr	-49	%	
Across Flow : 257°F, 168 hr	-30	%	
Flow : 257°F, 168 hr	-47	%	
Change in Shore Hardness in Air			ISO 188
Shore D, 230°F, 1008 hr [6]	4.5		
Shore D, 230°F, 1008 hr [7]	4.4		
Shore D, 230°F, 1008 hr [8]	4.4		
Shore D, 257°F, 168 hr [6]	5.9		
Shore D, 257°F, 168 hr [7]	5.5		
Shore D, 257°F, 168 hr [8]	5.2		

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec^-1)	545	Pa·s	ASTM D3835

Legal Statement

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Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	380 to 400	°F
Cylinder Zone 2 Temp.	390 to 410	°F
Cylinder Zone 3 Temp.	400 to 420	°F
Cylinder Zone 4 Temp.	410 to 430	°F
Cylinder Zone 5 Temp.	410 to 430	°F
Die Temperature	420 to 440	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

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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] 15 sec

[7] 5 sec

[8] 1 sec

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