Sarlink® TPE ME-2240DB

Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

Product Description

The Sarlink ME-2200 Series is a general purpose thermoplastic elastomer series, available in BLK, designed for automotive exterior molded applications. Sarlink ME-2240DB is a high hardness, low density, UV stabilized grade suitable for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Chemical Resistant • Good Adhesion • Good Color Stability • Good Mold Release	• Good Moldability • Good Processability • High Hardness • Light Stabilized • Low Density	• Low Specific Gravity • Lubricated • Medium Flow
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Exterior Trim • Rubber Replacement	
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.928	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow [2] (48 hr, Injection Molded)	0.012	in/in	ASTM D955
Molding Shrinkage - Across Flow [2] (48 hr, Injection Molded)	0.012	in/in	ASTM D955
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [3]			ISO 37
Across Flow : 100% Strain	889	psi	
Flow : 100% Strain	1060	psi	
Tensile Stress [3]			ISO 37
Across Flow : Break	2160	psi	
Flow : Break	1940	psi	
Tensile Elongation [3]			ISO 37
Across Flow : Break	720	%	
Flow : Break	630	%	
Tear Strength [4]			ISO 34-1
Across Flow	379	lbf/in	
Flow	335	lbf/in	
Compression Set [5]			ISO 815
73°F, 22 hr	37	%	
158°F, 22 hr	56	%	
194°F, 70 hr	68	%	
257°F, 70 hr	100	%	

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Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D, 1 sec, Injection Molded	44		
Shore D, 5 sec, Injection Molded	39		
Shore D, 15 sec, Injection Molded	38		
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air [6]			ISO 188
Across Flow : 230°F, 1008 hr	-1.3	%	
Flow : 230°F, 1008 hr	-3.0	%	
Across Flow : 100% Strain 230°F, 1008 hr	13	%	
Flow : 100% Strain 230°F, 1008 hr	19	%	
Across Flow : 257°F, 168 hr	-2.0	%	
Flow : 257°F, 168 hr	-9.0	%	
Across Flow : 100% Strain 257°F, 168 hr	11	%	
Flow : 100% Strain 257°F, 168 hr	18	%	
Change in Tensile Strain at Break in Air [6]			ISO 188
Across Flow : 230°F, 1008 hr	-3.6	%	
Flow : 230°F, 1008 hr	-10	%	
Across Flow : 257°F, 168 hr	-1.0	%	
Flow : 257°F, 168 hr	-17	%	
Change in Shore Hardness in Air			ISO 188
Shore D, 230°F, 1008 hr [7]	1.0		
Shore D, 230°F, 1008 hr [8]	1.7		
Shore D, 230°F, 1008 hr [9]	1.9		
Shore D, 257°F, 168 hr [7]	-0.90		
Shore D, 257°F, 168 hr [8]	0.30		
Shore D, 257°F, 168 hr [9]	0.70		
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (392°F, 206 sec^-1)	203	Pa·s	ASTM D3835
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Xenon Weatherometer			SAE J2527
Delta E - 1250 kJ	0.280		
Delta E - 2500 kJ	0.250		

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	390 to 410	°F
Middle Temperature	400 to 420	°F
Front Temperature	410 to 430	°F
Nozzle Temperature	420 to 440	°F
Processing (Melt) Temp	420 to 440	°F

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Injection	Nominal Value	Unit
Mold Temperature	60 to 90	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Fast	
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 120	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).

Notes

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

[2] Plaque dimensions: 100mm x 100mm x 2.37mm

[3] Type 1, 20 in/min

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

[5] Type A

[6] Type 1

[7] 1 sec

[8] 5 sec

[9] 15 sec

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