Sarlink® TPE RV-2235B

Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

Product Description

Sarlink RV-2235B is a high performance Thermoplastic Elastomer used in transportation applications. Sarlink RV-2235B is a low hardness grade and UV resistant. This grade can be processed by extrusion.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Filled • Good Color Stability • Good Colorability • Good Melt Strength	• Good Processability • High Elongation • Light Stabilized • Low Hardness • Lubricated	• Medium Flow • Medium Viscosity • Slip
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	0.950	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ISO 37
Across Flow : 100% Strain	106	psi	
Flow : 100% Strain	276	psi	
Tensile Stress [2]			ISO 37
Across Flow : Break	899	psi	
Flow : Break	348	psi	
Tensile Elongation [2]			ISO 37
Across Flow : Break	870	%	
Flow : Break	240	%	
Tear Strength [3]			ISO 34-1
Across Flow	68.5	lbf/in	
Flow	130	lbf/in	
Compression Set [4]			ISO 815
73°F, 22 hr	11	%	
158°F, 22 hr	60	%	
194°F, 70 hr	71	%	
257°F, 70 hr	84	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness [5]			ISO 868
Shore A, 1 sec, Injection Molded	38		
Shore A, 5 sec, Injection Molded	35		
Shore A, 15 sec, Injection Molded	34		

Revision Date: 6/28/2023

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Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air [6]			ISO 188
Across Flow : 230°F, 1008 hr	40	%	
Flow : 230°F, 1008 hr	0.0	%	
Across Flow : 100% Strain 230°F, 1008 hr	11	%	
Flow : 100% Strain 230°F, 1008 hr	9.5	%	
Across Flow : 257°F, 168 hr	-42	%	
Flow : 257°F, 168 hr	-4.2	%	
Across Flow : 100% Strain 257°F, 168 hr	-2.7	%	
Flow : 100% Strain 257°F, 168 hr	5.3	%	
Change in Tensile Strain at Break in Air [6]			ISO 188
Across Flow : 230°F, 1008 hr	9.4	%	
Flow : 230°F, 1008 hr	42	%	
Across Flow : 257°F, 168 hr	95	%	
Flow : 257°F, 168 hr	41	%	
Change in Shore Hardness in Air			ISO 188
Shore A, 230°F, 1008 hr [7]	3.5		
Shore A, 230°F, 1008 hr [8]	3.5		
Shore A, 230°F, 1008 hr [9]	3.1		
Shore A, 257°F, 168 hr [9]	2.1		
Shore A, 257°F, 168 hr [7]	2.3		
Shore A, 257°F, 168 hr [8]	2.2		

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec^-1)	209	Pa·s	ASTM D3835

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Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	360 to 450	°F
Cylinder Zone 2 Temp.	370 to 460	°F
Cylinder Zone 3 Temp.	380 to 470	°F
Cylinder Zone 4 Temp.	390 to 480	°F
Cylinder Zone 5 Temp.	390 to 480	°F
Die Temperature	390 to 480	°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] QC conditioning

[6] Type 1

[7] 15 sec delay

[8] 5 sec delay

[9] 1 sec

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