

Sarlink® TPE ME-2675B (PRELIMINARY ACTIVE)

Teknor Apex Company - Thermoplastic Elastomer

Friday, June 30, 2017

General Information

Product Description

The Sarlink ME-2600 Series is a super high flow high performance thermoplastic elastomer series, available in BLK, designed for automotive exterior molded applications, including window encapsulation. Sarlink ME-2675B is a medium hardness, low density, resilient, UV stabilized, super high flow injection molding grade delivering excellent aesthetics with good adhesion to glass with primer.

General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Processability • High Flow	• Low Density • Low Specific Gravity • Medium Hardness • Outstanding Surface Finish	• Resilient • UV Resistant
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Window Encapsulation • Rubber Replacement	
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	18	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Across Flow : 100% Strain	370	psi	
Flow : 100% Strain	405	psi	
Tensile Strength			ISO 37
Across Flow : Break	1520	psi	
Flow : Break	1330	psi	
Tensile Elongation			ISO 37
Across Flow : Break	790	%	
Flow : Break	730	%	
Tear Strength			ISO 34-1
Across Flow	190	lbf/in	
Flow	190	lbf/in	
Compression Set			ISO 815
73°F, 22 hr	23	%	
158°F, 22 hr	45	%	
194°F, 70 hr	69	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shore A, 1 sec, Injection Molded	77		
Shore A, 5 sec, Injection Molded	74		
Shore A, 15 sec, Injection Molded	73		

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Revision Date: 6/1/2016

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Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow			ISO 188
230°F, 1008 hr	-2.0	%	
257°F, 168 hr	-7.0	%	
Change in Tensile Strain at Break in Air - Across Flow			ISO 188
230°F, 1008 hr	0.50	%	
257°F, 168 hr	-1.6	%	
Change in Shore Hardness in Air			ISO 188
Shore A, 230°F, 1008 hr	1.9		
Shore A, 257°F, 168 hr	2.2		

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec ⁻¹)	137	Pa·s	ASTM D3835

Additional Information

Good adhesion to glass with primer

Legal Statement

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in medical or food contact applications without the prior written acknowledgement of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	338 to 374	°F
Middle Temperature	347 to 383	°F
Front Temperature	356 to 401	°F
Nozzle Temperature	356 to 401	°F
Processing (Melt) Temp	356 to 401	°F
Mold Temperature	59 to 104	°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 180°F (80°C).

Notes

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

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