+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPE ME-2675B

Teknor Apex Company - Thermoplastic Elastomer

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	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Chemical Resistant • Good Adhesion • Good Mold Release • Good Moldability	• Good Processability • High Flow • Light Stabilized • 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/cm³	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	188	lbf/in	
Flow	188	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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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

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.