Sarlink® TPE ME-2385N

Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

Product Description

ME-2385N is a high performance injection molding thermoplastic elastomer designed for automotive applications, including exterior parts exhibiting sunlight resistance and UV absorbing characteristics.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Filled • Good Colorability • Good Mold Release • Good Moldability	• Good Processability • High Gloss • Light Stabilized • Low Density • Low Specific Gravity	• Lubricated • Medium Flow • Slip
Uses	• Automotive Applications	• Automotive Exterior Parts	• Automotive Exterior Trim
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Opaque
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ISO 37
Across Flow : 100% Strain	525	psi	
Flow : 100% Strain	637	psi	
Tensile Stress [2]			ISO 37
Across Flow : Break	2000	psi	
Flow : Break	1320	psi	
Tensile Elongation [2]			ISO 37
Across Flow : Break	830	%	
Flow : Break	620	%	
Tear Strength [3]			ISO 34-1
Across Flow	243	lbf/in	
Flow	265	lbf/in	
Compression Set [4]			ISO 815
73°F, 22 hr	34	%	
158°F, 22 hr	50	%	
194°F, 70 hr	65	%	
257°F, 70 hr	92	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore A, 1 sec, Injection Molded	86		
Shore A, 5 sec, Injection Molded	84		
Shore A, 15 sec, Injection Molded	81		

Revision Date: 12/9/2024

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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	-4.5	%	
Flow : 230°F, 1008 hr	-14	%	
Across Flow : 100% Strain 230°F, 1008 hr	7.9	%	
Flow : 100% Strain 230°F, 1008 hr	12	%	
Across Flow : 257°F, 168 hr	-2.9	%	
Flow : 257°F, 168 hr	-18	%	
Across Flow : 100% Strain 257°F, 168 hr	6.9	%	
Flow : 100% Strain 257°F, 168 hr	13	%	
Change in Tensile Strain at Break in Air [5]			ISO 188
Across Flow : 230°F, 1008 hr	-3.6	%	
Flow : 230°F, 1008 hr	-16	%	
Across Flow : 257°F, 168 hr	-4.7	%	
Flow : 257°F, 168 hr	-20	%	
Change in Shore Hardness in Air			ISO 188
Shore A, 230°F, 1008 hr	3.8		
Shore A, 230°F, 1008 hr [6]	3.6		
Shore A, 230°F, 1008 hr [7]	2.7		
Shore A, 257°F, 168 hr [8]	3.4		
Shore A, 257°F, 168 hr [6]	3.1		
Shore A, 257°F, 168 hr [7]	2.5		

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec^-1)	192	Pa·s	ASTM D3835

Additional Information

FOGGING, 3 HRS @ 100C, 21C PLATE = 98%

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
Mold Temperature	95 to 150	°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

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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] Type 1, 20 in/min

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

[4] Type A

[5] Type 1

[6] 5 sec

[7] 1 sec

[8] 15 sec

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